

HSC: HEALTH SCIENCES

Courses	Credit(s)	Contact	Lab
HSC 1004. PROFESSIONS OF CARING. PROFESSIONS OF CARING Professions of Caring 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.	3	3	0
HSC 1100. PERSONAL HEALTH. 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.	3	3	0
HSC 1149. GENERAL PHARMACOLOGY FOR HEALTH PROFESSIONALS. 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.	1	1	0
HSC 1400C. FIRST AID AND CPR. 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).	3	3	3
HSC 1531. MEDICAL TERMINOLOGY. 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.	3	3	0
HSC 2151. PHARMACOLOGY AND CLINICAL DECISION MAKING. 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.	2	2	0
HSC 2550. PATHOPHYSIOLOGY. 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.	4	4	0
HSC 2941. INTERNSHIP IN EXPLORATION IN HEALTH. 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).	1-4	variable	
HSC 4404. MEDICAL DISASTER MANAGEMENT. MEDICAL DISASTER MANAGEMENT Prerequisite: Admission to the BSN program Prerequisite or Corequisite: NUR 3825 This course will introduce the student to various facets of natural and technological disasters while integrating public health research designs and practices. Discussions will utilize recent and historical case studies as the basis for developing the critical thinking and leadership skills needed by healthcare professionals in crisis situations. International, domestic, and regional settings will be addressed, as well as the social, economic, and political aspects of disaster planning, preparedness, and mitigation. Students also gain an understanding of basic public health concepts and methodologies.	3	3	0
HSC 4500. EPIDEMIOLOGY. 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.	3	3	0
HSC 4555. PATHOPHYSIOLOGIC MECHANISMS. PATHOPHYSIOLOGIC MECHANISMS Pre-requisite: Admission to the B.S. degree program in Radiologic & 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.	3	3	0
HSC 4640. HEALTH LAW AND COMPLIANCE. HEALTH LAW AND COMPLIANCE Prerequisite: Admission into the BS in Radiologic & Imaging Sciences, or the BS in Cardiopulmonary Sciences programs, or the ATC in Leadership in Healthcare. Minimum grade of C in HSA 3702. Health care law and compliance is important because of its financial and emotional impact on technologists, patients, and health care facilities. This content is geared toward legal and compliance issues that affect the employee and employer directly regarding accreditation and compliance issues. In addition, this content gives guidance on risk management techniques, including reporting, that can help mitigate noncompliance. Minimum grade of C required if used to satisfy Radiologic and Imaging Sciences B.S. degree requirement.	3	3	0

HSC 4652. ETHICS AND HEALTH CARE IN A PLURALISTIC SOCIETY. 3 3 0

ETHICS AND HEALTH CARE IN A PLURALISTIC SOCIETY Prerequisite: Admission into the BS in Radiologic & 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.