

## HSC Health Science Core

### HSC 104 Health Care Technology and Informatics (1-2) 2 crs.

Introduces student to informatics and the use of technology in health care delivery systems. This includes a review of hardware and software, and an in-depth look at hospital/health care-based user interfaces, data bases, telecommunications and networks, and healthcare-based information systems. Also includes research methods and patient education via computers.

### HSC 105 Introduction to Health Care Today (2-0) 2 crs.

Familiarizes student to the health care delivery system including an introduction to the organization, structure, function and issues related to the health care environment. Emphasis placed on the importance of effective communication skills for health care professionals, team building, professionalism and diversity in the health care center.

### HSC 106 Health Occupations Career Observation (0.5-2) 1.5 crs.

Provides students an opportunity to observe selected occupations within a health care setting. The student will attend 13 two-hour sessions under the supervision of the instructor and departmental specific mentors.

**Prerequisite:** Prior or concurrent enrollment in HSC 105 with a grade of C or better, or one semester of high school anatomy with lab with a grade of C or better.

### HSC 112 Medical Terminology (1-2) 2 crs.

Emphasizes the origin and the basic structure of medical words, including prefixes, suffixes, word roots, combining forms and plurals. Offers pronunciation, spelling, and definition of medical terms based on the body systems approach. Emphasis on rendering a professional vocabulary required for work in the health care field.

### HSC 165 Basic Pharmacology (1-0.5) 1 cr.

Examines the mechanism of action of the major medication groups as they relate to the physiology and pathology of disease. Identifies examples in each major pharmacological category in order to understand pharmacological activity within each group. Addresses areas of drug action, clinical application, and adverse events for each medication discussed. Considers needs of patients undergoing drug therapy and the role of the allied health provider.

**Prerequisite:** Prior or concurrent enrollment in BIO 135, BIO 160 or HSC 112 with a grade of C or better.

### HSC 201 Advanced Pharmacology (2-0) 2 crs.

Builds on pharmacology content begun in previous coursework (either NUR 111 or HSC 165). Discusses pharmacokinetics and pharmacodynamics of the major classifications of medications at an advanced level in order to understand the pharmacological activity within each classification. Incorporates the principles of safe drug administration. NOTE: This course is designed for nursing students.

**Prerequisite:** BIO 135 and HSC 165, or BIO 160 and NUR 110 or HSC 112 and HSC 165 with grades of C or better, or prior or concurrent enrollment in NUR 101, or admission into the Medical Corpsman–PNC Program.

### HSC 213 Legal and Ethical Issues in Health Care (2-0) 2 crs.

Introduces the legal and ethical issues that pertain to various health care delivery settings. Discusses how these issues impact the health care practitioner in a diverse culture. Practices and standards are discussed as they relate to professional behavior and ethical decision-making.

### HSC 225 Language and Health (3-0)

3 crs.

Provides a comprehensive introduction into the study and application of concepts and theories from Healthcare, Linguistics and Communication. Focuses on practical applications of effective communication strategies across diverse patient populations by dissecting and discussing case studies from different healthcare departments, and by analyzing actual provider-patient interactions to understand how specific language choices contribute to constructing meaning in health communication.