

AHS - APPLIED HEALTH SCIENCES

AHS 2010 Introduction to Applied Health Sciences Cr. 3

Introduction to Applied Health Sciences is designed to familiarize students with the various careers in the medical professions. Students will learn skills necessary for their healthcare career pathway including working with others, communication skills, legal and ethical responsibilities, cultural considerations in the healthcare industry, problem solving, decision making, accepting personal responsibility and self-management. Offered Fall.

AHS 2020 Applied Health Sciences Communication Cr. 3

The purpose of Applied Health Sciences Communication is to provide the student with an overview of health and science communication in research, industry, and practice. Each student will have an opportunity to explore and better understand the role communication plays in health care delivery, health promotion, disease prevention, environmental and risk communication, media and mass communication, and technology. Offered Fall.

Prerequisite: COM 1010 with a minimum grade of C and ENG 1020 with a minimum grade of C and MLS 3330 with a minimum grade of C

AHS 2030 Advanced Statistics for Applied Health Sciences Cr. 4

The purpose of Advanced Statistics for Applied Health Sciences is to prepare students entering a career in a healthcare profession for common statistical tools used in health care fields. This course contains content areas of descriptive statistics, probability, inferential statistics, and linear regression with relevance to health care professions. A substantial number of human health examples are included to demonstrate the relevance of statistics to health and disease. Offered Fall.

Prerequisite: STA 1020 with a minimum grade of C

AHS 3000 Medical Terminology for Applied Health Sciences Cr. 1

The purpose of Medical terminology for Applied Health Sciences is to study medical terms in relation to healthcare professions. Emphasis will be placed on comprehension and composition of medical terms in a professional context. Offered Every Term.

AHS 3010 Advanced Applied Health Sciences Professions Cr. 3

The purpose of Advanced Applied Health Sciences Professions is to assist students who are considering a career in a graduate health sciences profession. Students will examine the roles of a health sciences professional in clinical, academic, and research settings, expectations of professional behavior within the profession, and professional development. The current practice of the health sciences profession in various settings will be explored. Students will need to select the appropriate course section for their preferred health sciences profession. Offered Winter.

Prerequisite: AHS 2010 with a minimum grade of C

AHS 3020 Diversity in Applied Health Sciences Cr. 3

The purpose of Diversity in Applied Health Sciences is to explore the intersection of health care and marginalized cultures, races, ethnicities, and gender identities. Students will explore how power dynamics, attitudes, biases, and cultural misunderstanding have produced health disparities while also engaging in activities to understand and mitigate ongoing injustices. Offered Fall.

Prerequisite: ENG 1020 with a minimum grade of C

AHS 3025 Human Anatomy and Physiology for Applied Health Sciences Cr. 5

The purpose of Human Anatomy and Physiology for Applied Health Sciences is to examine the structure and function of the human body. Emphasis will be placed on anatomical structures and landmarks and the clinical correlations important for health care providers. Prosected human cadavers, specimens, anatomical models, and computerized software/imaging will be used as instructional methods. Offered Winter.

Prerequisites: BIO 1510 with a minimum grade of C- and BIO 1511 with a minimum grade of C-

AHS 3030 Human Physiology for Applied Health Sciences Cr. 3

The purpose of Human Physiology for Applied Health Sciences is the study the functioning of human tissues and organ and organ systems. Emphasis will be given to the physical, chemical and mechanistic bases of normal physiology and the integrated functions of the human body. The course also introduces pathophysiological changes associated with some human diseases. Offered Winter.

Prerequisite: BIO 2870 with a minimum grade of C

AHS 4010 Interprofessional Education in Applied Health Sciences Cr. 3

The purpose of Interprofessional Education in Applied Health Sciences is to introduce students to interprofessional health care delivery in multiple practice settings. Best practices are emphasized for team formation, effective communication strategies, and patient care processes. Ethical issues related to team management in health care are discussed. Offered Winter.

Prerequisite: AHS 2010 with a minimum grade of C

AHS 4020 Pathophysiology for Applied Health Sciences Cr. 3

The course Pathophysiology for Applied Health Sciences will focus on advanced pathophysiologic concepts affecting the adult human using a research-based, system-focused approach, including etiology, pathogenesis and clinical manifestations of commonly found/seen altered health states. Offered Fall.

Prerequisite: BIO 2870 with a minimum grade of C

AHS 4090 Capstone in Applied Health Sciences Cr. 3

The purpose of Capstone in Applied Health Sciences is to provide culminating curricular experiences for students enrolled in the Bachelor of Science degree with a major in applied health sciences. Students will participate in several projects which demonstrate a synthesis of learning accumulated in the major, including broadly comprehensive knowledge of the discipline and its methodologies. With faculty approval, students will complete a capstone project that aligns with their career goals. Offered Fall, Winter.

Prerequisites: AHS 2010 with a minimum grade of C, AHS 2020 with a minimum grade of C, AHS 2030 with a minimum grade of C, AHS 3010 with a minimum grade of C, AHS 3020 with a minimum grade of C, AHS 3030 with a minimum grade of C, AHS 4010 with a minimum grade of C (may be taken concurrently), and AHS 4020 with a minimum grade of C (may be taken concurrently)