HSCI • HEALTH SCIENCES

HSCI 100 · Introduction to Health and Disease 3 Credits
This introductory course examines the causes and consequences of disease and the promotion of individual, family and community health. Public health, social science, and behavioral science findings are studied. Examples of topics covered include major chronic and infectious diseases, mental health, reproductive health, and drug and alcohol use and misuse. Identifying healthy personal behaviors that promote wellness and minimize unhealthy lifestyle will be emphasized.

HSCI 105 · Nutrition and Wellness 3 Credits
Nutrition—and its specific impact on wellness and health risks—will be the focus of this course. Topics explored are (1) dietary-related disease (e.g., coronary heart disease, diabetes, high cholesterol, gluten allergies, etc.); (2) obesity in the U.S.; (3) malnutrition among the youth and the elderly; (4) nutrition-based interventions, and others.

HSCI 110 · U.S. Healthcare Systems 3 Credits
This course takes a broad overview of the healthcare system in the United States. Topics include a historic examination of the healthcare system in America; universal, primary, private, and managed care; advances in medical technology; healthcare providers; informatics; gerontology and long-term care; and healthcare reform and policy.

HSCI 300 · Bioethics 3 Credits
This course focuses on human choices and actions that typically occur in medical practice. This course begins with a brief overview of ethics, and then moves to develop and consider the moral values and principles relevant to medical practice and bioethics.

HSCI 305 · Introduction to Genetics 4 Credits
This course focuses on the principles of genetics with application at the level of molecules, cells, and multicellular organisms, including humans. The topics include: structure and function of genes, chromosomes and genomes; biological variation resulting from recombination, mutation, and selection; population genetics; use of genetic methods to analyze protein function; gene regulation; and inherited disease.

HSCI 320 · Medical Sociology 3 Credits
Examination of culture and social interactions in mediating the health and illness effects as they impact individuals and groups. Topics include the social impact of illness, the relationships between patients and health professionals, advertising and pharmaceutical use/abuse, unhealthy lifestyle choices in families and communities, and healthful practices of social groups.

HSCI 491 · Senior Seminar: Health Sciences Capstone 3 Credits
This capstone course completes the BSHS program. Drawing on the health sciences core and concentration, adult students conceive and design a healthcare project in collaboration with project sponsors.

Prerequisites: APSY 300, HSCI 300, and senior standing.

HSCI 497 · Fieldwork 3 Credits
This course is a student-initiated, community-based service-learning project in an approved health sciences setting where the student explores a particular health sciences career role and an ethical issue related to that role. The student will develop a field experience contract with an onsite supervisor and a health sciences faculty member. The students will then present their findings with other colleagues in the course by uploading activity reports in the online discussions.

Prerequisites: APSY 300, HSCI 300, and senior standing; or Assistant Dean permission.

HSCI 497A · Fieldwork A 0.5 Credits
This course is the preparation for HSCI 497B Fieldwork B, a student-initiated, community-based service-learning project in an approved health sciences setting where the student explores a particular health sciences career role and an ethical issue related to that role. The student will develop a field experience contract with an onsite supervisor and a health sciences faculty member. The students will then present their findings with other colleagues in the course by uploading activity reports in the online discussions.

Prerequisites: APSY 300, HSCI 300, and senior standing; or Assistant Dean permission. NOTE: This course must be completed in conjunction with HSCI 497B; failure to complete HSCI 497B in the immediately following session will require repeating HSCI 497A.

HSCI 497B · Fieldwork B 2.5 Credits
This course is a student-initiated, community-based service-learning project in an approved health sciences setting where the student explores a particular health sciences career role and an ethical issue related to that role. The students will then present their findings with other colleagues in the course by uploading activity reports in the online discussions.

Prerequisites: APSY 300, HSCI 300, HSCI 497A in the immediately preceding session, and senior standing; or HSCI 497A in the immediately preceding session and Assistant Dean permission.