Health Science (HSCI)

HSCI 1000. College: An Introduction. 1 Hour.
Provides an introduction to the University, college, and health professions to enhance students’ understanding of self and the decisions they make academically and socially as members of the University’s diverse, multicultural community. Group activities and individual assignments along with active participation in a learning community help students adjust to life on an urban campus, develop a better understanding of the learning process, acquire essential academic skills, and make connections with the faculty and students in the college.

HSCI 1105. Nutrition. 4 Hours.
Explores the fundamental role of nutrition in promoting health and introduces the use of two different diet assessment tools to assist individuals in selecting food for health promotion. Explores the nutrient composition and purposes of the food pyramid guide. Covers the physiological functions of energy-providing nutrients in the body and interrelationships.

HSCI 1106. Contemporary Issues in Nutrition. 4 Hours.
Explores the fundamental role of nutrition in promoting health. Offers an overview of nutrient functions, compositions, and digestion/absorption. Relates concepts covered in class to current topics of interest in nutrition. Offers students an opportunity to discuss their dietary behaviors in relation to the Dietary Guidelines for Americans.

HSCI 1107. Nutrition Service Learning. 4 Hours.
Offers an introductory human nutrition course exploring the fundamental role of nutrition in promoting health. Discusses the essential nutrient functions, composition, and digestion/absorption. Utilizes principles from the humanities and sciences in developing nutrition concepts. Explains food nutrition labeling and presents its role in assisting the public with food selection. Emphasizes the relevance of food choices throughout life and their impact on long-term health. Engages students in hands-on service roles. Offers students an opportunity to learn and apply course concepts while addressing the needs/interests identified by community partners. This activity involves planning and participating with after-school programs providing nutrition workshops.

HSCI 1990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSCI 2000. Professional Development for Bouvé Co-op. 1 Hour.
Introduces students to the Bouvé Cooperative Education Program and provides them with the opportunity to develop job-search and career-management skills. Offers students an opportunity to perform assessments of their workplace skills, interests, and values and discuss how they impact personal career decisions. Students also have an opportunity to prepare a professional-style résumé, learn proper interviewing techniques, and gain an understanding of the opportunities available to them for co-op. Introduces career paths, choices, and career decision making. Familiarizes students with workplace issues relative to their field of study and teaches them to use myNEUCOOL database in the job-search and referral process. Presents and discusses co-op policies, procedures, and expectations of the Bouvé Cooperative Education Program and co-op employers.

HSCI 2850. Special Topics. 4 Hours.
Offers students an opportunity to participate in a small seminar to explore selected topics within the vast subject of healthcare. May be repeated up to two times.

HSCI 2990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSCI 3990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSCI 4509. Healthcare Ethics Abroad. 4 Hours.
Provides students with the opportunity to explore complex ethical issues that arise in clinical practice in the health professions in the United States and study country. Directs particular attention at the concepts of do no harm, quality of life, and conflict resolution. Patients’ rights and the protection of their confidentiality, privacy, and personal prerogatives are central to the course. Analyzes established legal cases to assess the presence of ethical considerations. Explores the role of the health professional in fostering a patient’s autonomy and implementing his or her own domain of professional responsibility in the United States and the study country.

HSCI 4510. Healthcare Ethics. 4 Hours.
Provides students with the opportunity to explore complex ethical issues that arise in clinical practice in the health professions. Particular attention is directed at the concepts of “do no harm,” quality of life, and conflict resolution. Patients’ rights and the protection of their confidentiality, privacy, and personal prerogatives are central to the course. Established legal cases are explored to assess the presence of ethical considerations. The role of the health professional in fostering a patient’s autonomy and implementing his/her own domain of professional responsibility is explored.

HSCI 4700. Health Science Capstone Introduction. 0 Hours.
Offers students an opportunity to integrate their course work, knowledge, and experiences to develop a proposal for a health science capstone project. The project is either research based or service based and is a culminating experience in the health science program. Upon completion and approval of the proposal, the student works with a mentor or mentors to implement their project in HSCI 4720 or HSCI 4730.

HSCI 4710. Health Science Capstone. 4 Hours.
Provides students with the opportunity to integrate their course work, knowledge, and experiences into a project that results in a written report and presentation regarding an issue within the field of health or healthcare, a culminating experience in the health science program. May include working with a mentor in a field experience in public health education or health policy, public affairs, social service, or other healthcare environment in which the student is qualified, ending with a presentation to the seminar class. Presenting to the agency or group students are working with on their projects may be required.

HSCI 4720. Health Science Capstone—Service. 4 Hours.
Offers students an opportunity to integrate their course work, knowledge, and experiences into a project that results in a written report and presentation regarding an issue within the field of health or healthcare. The project is a culminating experience in the health science program. Includes working with a mentor in a field experience in public health education or health policy, public affairs, social service, or other healthcare environment in which the student is qualified. Requires students to present their projects to the seminar class and possibly to the agency or group with which they are working.
HSCI 4730. Health Science Capstone—Research. 4 Hours.
Offers students an opportunity to integrate their course work, knowledge, and experiences into a project that results in a written report and presentation regarding an issue within the field of health or healthcare. The project is a culminating experience in the health science program. Students may choose to participate in an ongoing research project or create and implement their own research project as their capstone project. Requires students to present their projects to the seminar class and possibly to present a poster at a professional/research expo.

HSCI 4950. Seminar. 4 Hours.
Offers students an opportunity for an in-depth study of selected topics within healthcare.

HSCI 4970. Junior/Senior Honors Project 1. 4 Hours.
Focuses on in-depth project in which a student conducts research or produces a product related to the student’s major field. Combined with Junior/Senior Project 2 or college-defined equivalent for 8 credit honors project. May be repeated without limit.

HSCI 4971. Junior/Senior Honors Project 2. 4 Hours.
Focuses on second semester of in-depth project in which a student conducts research or produces a product related to the student’s major field. May be repeated without limit.

HSCI 4983. Topics. 4 Hours.
Offers students an opportunity to study contemporary issues in healthcare and to expand their breadth of knowledge and engage diverse perspectives.

HSCI 4990. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.

HSCI 4991. Research. 4 Hours.
Offers an opportunity to conduct research under faculty supervision.

HSCI 4992. Directed Study. 1-4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

HSCI 4993. Independent Study. 1-4 Hours.
Offers independent work under the direction of members of the department on a chosen topic. Course content depends on instructor. May be repeated without limit.

HSCI 4994. Internship. 4 Hours.
Offers students an opportunity for internship work. May be repeated without limit.

HSCI 4995. Practicum. 1-4 Hours.
Offers eligible students an opportunity for practical experience. May be repeated without limit.

HSCI 4996. Experiential Education Directed Study. 4 Hours.
Draws upon the student’s approved experiential activity and integrates it with study in the academic major. Restricted to those students who are using the course to fulfill their experiential education requirement. May be repeated without limit.

HSCI 5300. Patient-Centered Health Informatics. 3 Hours.
Introduces students to the ways in which personal health technologies (interactive computing applications used directly by nonprofessionals—social networking applications, mobile apps, and online communities) can support health promotion. This technology is transforming health promotion and management, and increased access presents opportunities as well as challenges. Covers three broad topics: the current state of disruptive technology in healthcare, empirical methods for establishing requirements for the design of new technologies, and designing innovative personal health technologies. Offers students an opportunity to learn the ways in which technology is transforming self-care and self-management and the skills to identify opportunities for future technological innovation.

HSCI 6962. Elective. 1-4 Hours.
Offers elective credit for courses taken at other academic institutions. May be repeated without limit.