HEALTH SCIENCES (HLTH)

HLTH 2000 Science of Human Health (4 Credits)
This keystone course focuses on individual, community and population health. Students will be introduced to topics including health & wellness through the lifespan, population and public health, health promotion and education, and social determinants of health and health equity. This course will provide students not only the insight about the scientific basis, but also the social and cultural contexts of human health and health care. Students will gain an understanding about how behavioral health and social factors affect human biology and health. In addition, students will learn to effectively employ the critical skills and competencies necessary for understanding and evaluating human health and health care, as well as to effectively identify and learn to contribute to evidence-based health care.

HLTH 2010 Health Systems Science (4 Credits)
This keystone course will provide knowledge about how education, policy and healthcare delivery function within health care systems. Students will be introduced to topics including healthcare delivery systems and management, health policy and economics, and health informatics and technology. Students will gain an understanding about the healthcare delivery organizations and systems in the United States, contributions of government and public policy to health care, and the economics that drive healthcare systems. These content areas will be presented within the themes of the 3 pillars of health equity: access to health care, quality of care, and health outcomes. Students will gain an appreciation of a perspective from the patient experience in the healthcare system. Furthermore, this course will challenge students to effectively identify and critically consider the interactions and conflicts between these entities.

HLTH 2200 Medical Terminology: Fundamentals and Applications (4 Credits)
This course presents fundamentals and applications of medical terminology. This review and application of human anatomy and physiology is suitable for students who have completed some introductory biology and who are working toward a career in medicine or for whom communication with healthcare providers is essential. Students study basic anatomy and physiology at a level that is intermediate between introductory and advanced courses, discover the medical history behind medical terminology, analyze medical case studies, and work to develop skills for clear and concise articulation of the basic concepts of anatomy and physiology behind medical diagnosis and treatment. This mastery of medical terminology helps to build a strong foundation for advanced coursework in anatomy and physiology. Prerequisites: BIOL 1010 and 1011, or BIOL 1222, or BIOL 1262.

HLTH 2210 Health Education and Promotion (4 Credits)
This course will provide students foundational knowledge about how to deliver health education and promote healthy behaviors to community. Students will focus on integrating evidence-based research into instructional strategies including preparing culturally sensitive presentations, leading difficult conversations, and activities to reinforce healthy behaviors. This course includes a weekly service-learning activity, where students will present approved workshops to youth on topics such as: mental health, sexual health, healthy behaviors and harm prevention, and accessing health care. The content delivered to youth aligns with the National Health Education Standards. Prerequisites: HLTH 2000 or HLTH 2010.

HLTH 3000 Seminar in Health Science (1-2 Credits)
This seminar is the capstone course for the Human Health Science & Systems program. This class will focus on the current understanding of several topics in human health. Emphasis will be on critical reading and discussion of current scientific literature related to human health and health care. Students will learn to recognize and appreciate different approaches and methods of health-related research. Students will utilize and integrate knowledge from previous courses to understand to present effective discussions on current topics in health. For students' continued development of strong oral communication skills, student presentations of primary literature will generate the basis of discussion. Prerequisites: HLTH 2000 and 2010.

HLTH 3155 Leadership in Health (1 Credit)
This course addresses the basic leadership skills necessary to succeed in the dynamic professional environment of health science and healthcare. Topics covered include individual and team leadership strategies and professional skills related to communication, management, strategic planning, implementation of change, negotiation, conflict resolution, and team building. Students will determine leadership strengths and weaknesses and learn to adapt their leadership approach to meet specific situations and challenges. Students will strengthen their leadership practices through a series of lectures, case studies, guided interactions and group exercises. Prerequisites: HLTH 2000 and 2010.

HLTH 3700 Topics in Health (1-4 Credits)
Topics in the area of, but are not limited to, human health and disease, environmental or social impacts on health, healthcare delivery, evidence-based medicine. Students will gain knowledge of a specific topic in human health and/or health care through discussion of current literature and research. May be repeated for credit. Prerequisites: HLTH 2000 or 2010.

HLTH 3870 Medical Ethics (4 Credits)
This course will present knowledge and discussion of ethical issues that arise from advances in the biomedical sciences and medicine. Several specific ethical issues and policies related to methodologies and procedures, emerging medical technologies, treatment decisions, doctor-patient relationship, informed consent, medical experimentation/clinical research, and health care reform. The overall objective of this course is to enhance awareness and critical thinking skills for future science professionals who are able to express their views in a culturally-responsive manner and listen to and appreciate others' perspectives. This course will focus on discussions, case studies, and projects. Prerequisites: BIOL 2010, or HLTH 2000 and 2010.

HLTH 3991 Independent Study in Human Health Science and Systems (1-4 Credits)
In this course, students can engage in independent study focused on a topic in human health science and/or human health system science under faculty supervision. The independent study in Human Health Science and Systems provides individualized opportunities to gain knowledge on a specific health topic of interest to the student. This course complements the student's didactic coursework in established health topics and provides an opportunity for students to delve deeper into a specific health-related topic. The student is responsible for identifying a faculty supervisor before registering for class. Maximum of 5 quarter hours of HLTH 3991 and/or HLTH 3993 and/or HLTH 3995 may be applied toward the 20-quarter-hour requirement for a minor in Human Health Science & Systems. Prerequisites: HLTH 2000 or HLTH 2010.

HLTH 3993 Internship in Human Health Science & Systems (0-4 Credits)
An internship is the opportunity to engage in a unique educational experience outside of the didactic setting of the classroom. This course includes a structured practical and productive internship experience that allows for the integration and application of coursework in a professional setting. The internship can be administrative, clinical, programmatic, or research focused. The internship must be a new experience for the student. If the proposed internship is within same setting as previous experience, the internship activities must be clearly different from past experiences. The course credit is variable (1-5 credits) depending on the rigor and time commitment required to complete the internship. Prerequisites: HLTH 2000 or 2010.

HLTH 3995 Independent Research in Human Health Science and Systems (1-4 Credits)
Independent research is an opportunity for students to be engaged in research within the fields of human health science or health systems studied under the guidance of a faculty member. This course complements the student's didactic coursework in established health topics and provides an opportunity for students to engage in focused research on health-related question. research. Students will effectively employ the critical research skills and competencies necessary critique and understand current literature, identify gaps in current knowledge, and understand and employ appropriate research approaches and methods for addressing the health-related research question. The student is responsible for identifying a faculty supervisor before registering for class. Maximum of 5 quarter hours of HLTH 3991 and/or HLTH 3993 and/or HLTH 3995 may be applied toward the 20-quarter-hour requirement for a minor in Human Health Science & Systems. Prerequisites: HLTH 2000 or 2010.