Health Communication and Ethics

Specific General Education Requirements for this Discover Degree Template

BIOL 1107 - Introductory Biology I
This course is a study of important biological concepts such as scientific methodology, cell biochemistry, cell anatomy, cell reproduction, genetics, and evolution. Three one-hour lectures and one two-hour lab required per week. When Offered: Fall & Spring yearly

BIOL 1108 - Introductory Biology II
Prerequisites: BIOL 1107 with a grade of “C” or better. This course is a study of important biological concepts such as the anatomy, physiology and diversity of plants, animals, and microbes. Ecology will also be studied. Three one-hour lectures and one two-hour lab required per week. When Offered: Fall & Spring yearly

COMM 1000 - Introduction to Human Communication
This course provides an introduction to the basic theories, concepts, principles, and contexts of human communication. Students will learn how to reflect and think critically about communication in personal and public contexts as well as develop the skills to work with others and present and interpret information in a variety of contexts including interpersonal, organizational, small group and media content. Students will give several types of presentations including speeches and group projects. When Offered: Fall, Spring, & Summer Yearly

Biology 15-16 hours
Choose five of the following:

BIOL 1121 - Human Anatomy and Physiology I
An investigation of the integumentary, skeletal, muscular, nervous systems in the human body. Cell anatomy and biochemistry, histology, and chemical principles as related to physiology are included. Three one-hour lectures and one two-hour lab required per week. Note: This course is primarily designed for students entering health-related professions. When Offered: Fall yearly

BIOL 1122 - Human Anatomy and Physiology II
Prerequisites: BIOL 1121. A survey of digestive, respiratory, circulatory, urinary, and reproductive systems in the human body. Studies on metabolism, nutrition, growth and development, and human genetics and chemical principles as related to physiology are included. Three one-hour lectures and one two-hour lab required per week. (Note: This course is designed for students in the allied health fields.) When Offered: Spring yearly

BIOL 2511 - Microbiology and Health Care
Prerequisites: BIOL 1107 or BIOL 1103 or BIOL 1121. Recommended Prerequisite: CHEM 1211. Fundamental principles and techniques of microbiology will be studied, with emphasis on human health and infectious diseases. Topics include basic physiology of microorganisms,
microbial nutrition and genetics, controlling microbial growth, the immune response to infection, and a survey of infectious diseases. This course does not count as an upper level biology elective for biology majors. This course will be based on both lab assignments and examinations. Three one-hour lectures and one two-hour lab required per week. When Offered: Spring yearly

BIOL 3101 - Genetics 4 hours

Prerequisites: BIOL 1108, CHEM 1212 with a grade of “C” or better. Students will build a precise understanding of the physical nature and metabolism of the genetic material, patterns of inheritance of traits, and basic approaches of recombinant DNA technology; learn to approach genetic issues in society with a critical mind and educated perspective; and learn principles of classical and molecular genetics through experimentation. Three one-hour lectures and one three-hour lab required per week. When Offered: Spring yearly

BIOL 4501 - Immunology 3 hours

Prerequisites: BIOL 1108 with a grade of “C” or better. This course offers an opportunity to learn about the basics of the mammalian immune system. These include molecular, cellular, and physiological aspects of innate immunity and antibody-based and cell-mediated adaptive immunity. The immune response, in its various forms, is important in our dealing with infectious disease, in hypersensitivity and autoimmune diseases, in medical diagnosis, and in sophisticated medical procedures. It has consequences as a major factor both as an element for good health and as a causative factor in disease. 3 hours of lecture per week. When Offered: Spring Even Years

BIOL 4550 - Principles of Pharmacology 3 hours

Prerequisites: BIOL 3101 BIOL 3102. This course will cover many facets of pharmacology; ranging from the basic principles of how drugs interact with the body, to the specific mechanisms by which select compounds treat disease, to the methods that are currently being used to develop new therapeutics. Specific topics will include: pharmacodynamics, pharmacokinetics, drug metabolism, pharmacogenetics, analgesics, alcohols, cardiac/cardiovascular drugs, neuropharmaceutics, and chemotherapeutics. When Offered: Spring Odd Years

BIOL 4701 - Animal Physiology (Z) 4 hours

Prerequisites: BIOL 1108 and CHEM 1212 with a grade of “C” or better. This course addresses how animals function in different environments, using examples from vertebrates (including humans!) and some invertebrates. Topics will include respiration, circulation, thermoregulation and metabolism, nerve, muscle and endocrine function, locomotion, osmoregulation, excretion, digestion, and nutrition. Three one-hour lectures and one three-hour lab required per week. When Offered: Spring Odd Years

BIOL 4901 - Parasitology (Z) (E) 4 hours

Prerequisites: BIOL 1108 with a grade of “C” or better. This course will provide students with a detailed understanding of parasites that are of medical importance to humans throughout the world. Morphology, life cycles, epidemiology and the effect of these parasites on human physiology will be emphasized along with an understanding of the world-wide impact of host-
parasite relationships. The laboratory component will provide a hands-on approach to the identification and structural detail of representative parasitic organisms, as well as observations of healthy and infected tissues. This course meets twice a week with lecture and lab combined for a total of 4 credit hours. When Offered: Fall Even Years

**Communication and Ethics  15 hours**

COMM 1050 - Introduction to Media Communication 3 hours

An introductory survey of the mass media, incorporating the history and current states of print media (newspapers, magazines, book publishing, news services, and syndicates), electronic media (radio, television, recording, video, and film) and media support services (advertising and public relations). Particular attention is focused on the ethical and social responsibilities of the media. When Offered: Fall Yearly

COMM 1100 - Introduction to Public Speaking 3 hours

A fundamental course designed to establish a basic knowledge of public address, including research, organization, speech writing, language use, delivery, audience analysis, support, evidence, and argument development. Students will give several types of speeches during the course. Fulfills the speech requirement for graduation. When Offered: Fall & Spring Yearly

COMM 2010 - Social Statistics or MATH 2000 3 hours

PHIL 2200 - Introduction to Ethics 3 hours

A study of the major philosophical positions concerning right and wrong, ethical values, and moral responsibility. The application of moral principles to current issues of personal and social ethics will be discussed. When Offered: Fall & Spring Yearly

PHIL 2210 - Critical Thinking 3 hours

This course introduces basic techniques of good reasoning. Students will learn to (1) identify the features of good and bad arguments, deductive and inductive, (2) eliminate vagueness, ambiguity, and extraneous materials from arguments, (3) identify and avoid formal and informal fallacies, and (4) construct a clear argumentative essay. Content includes analogical, casual, probabilistic, statistical, and scientific reasoning. When Offered: Fall, Every Other Fall

**Business Practices  15 hours**

BUSP 3020 - Organizational Behavior 3 hours

An introduction to basic concepts, theories, and practices needed to understand human behavior within organizations. The class activities are varied and interactive, including experiential exercises, discussions, case analyses, and collaborative learning.

BUSP 3100 - Principles of Management 3 hours

This course provides an introduction to the basic principles of management. Topics covered include: personal characteristics of the manager, ethics, managing organizations, managing
individuals, managing in a global environment, strategic planning, leadership, and risk management. When Offered: Fall & Spring Yearly

BUSP 3120 - Principles of Finance 3 hours

*Prerequisites: ACCT 2200. This course is an introduction to basic principles of finance. The course introduces techniques for effective financial planning and decision-making and for assessing the impact of financial decisions on the company or organization. Topics covered include: value, risk, financing, debt and payout, financial analysis and planning, special considerations for public organizations, and international finance. When Offered: Fall & Spring Yearly

Upper-Division BUSP Course 3 hours

Upper-Division BUSP Course 3 hours

**Capstone (Upper-Level Course)** 3 hours

Total 49-50 hours

(Upper-Division Hours: 21-22 hours)

*This course will be taken for General Elective Credit.

Note: According to the degree proposal, at least 27 hours of upper-division courses are required.

Note: According to the degree proposal, each cohort is 18-20 hours and the total number of hours for the major is 57-63 hours.