

## **ADMINISTRATIVE HEALTH CAREER TRACK**

**BIOL 111 Basic Biology** Deals with the principles of biology. Includes cellular structure and physiology, growth and repair, reproduction and development, control, sources of food energy, inheritance, and people's interrelationship with their biological environment.

**MATH 110 Intermediate Algebra** Covers topics in algebra beyond the introductory level, yet less than the precalculus level. No student who has satisfactorily completed MATH 131 or a higher-numbered mathematics course may subsequently receive credit for MATH 110. Prerequisite: C or better in MATH 050 or satisfactory score on the department's placement examination.

**PHSC 111 Physical Science Chem** Explores selected chemical principles with the purpose of providing a background that will enable students to understand issues involving the interaction of science and society. Intended for non-science majors and does not assume prior familiarity with chemistry.

**COM 113 Public Speaking** Introduces the long tradition of public speaking, examines the role of public speaking in a multicultural world, applies the principles of research, organization and delivery to preparation and presentation of speeches, presents techniques students can use to combat stage fright, teaches applications of listening and critical thinking skills, and provides coaching for delivering a minimum of three in-class speeches designed for a variety of contexts.

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**BIOL 224 Human Biology** This course focuses on the biology of the human organism. Recent scientific and medical advances as they relate to the development of public policy are interwoven through topics covered. The biology of our aging human population including issues such as infection, autoimmunity, cancer, as well as respiratory, cardiovascular, and urinary system decline, will be discussed.

**COM 138 Introduction to Health Communication** This course is designed to help students identify, analyze and apply concepts, theories and methodologies related to health communication. Emphasis will be placed on communication theories related to behavior change, normative messaging, information processing and management, and related communication competencies in health care settings.

**CHEM 205 Nutrition** Introduces the basic principles of human nutrition. Explores the structure of proteins, fats, carbohydrates, vitamins, and minerals and their role in metabolism. Analyzes nutritional needs of various age groups, nutrition and disease, and recent research in nutritional problems.

**CHEM 311 Drugs: From Discovery To Mkt** A study of the drug development and the pharmaceutical industry. The course will, follow the path that new drugs take from their discovery in the laboratory, through in vitro testing, clinical trials, to final Food and Drug Administration (FDA) approval and post-market surveillance. Attention will be paid to the role of the FDA, and ethical issues at every step along the path to market. Students will also examine drugs as molecules and how they function physiologically, as well as a look at the major in vivo targets of drugs.