## HSCI - Health Sciences

HSCI 100 - Introduction to Food Safety (3)

This introductory course is designed to acquaint the student with the scope of the food industry and the role of science in the preservation, processing, and utilization of foods.

Offered: Fall.

HSCI 102 - Food Plant Sanitation (3)

Relation of food plant sanitation to good manufacturing practices and regulations affecting sanitation are examined.

Offered: Spring.

**HSCI 105 – Medical Terminology (2)**

This course will provide students with a basic medical terminology vocabulary for use in the health care setting.

Offered: Spring, Fall

HSCI 202 - Fundamentals of Food Processing (3)

The basic concepts of industrial food processing and preservation are presented.

Prerequisite: HSCI 102.

Offered: Spring.

HSCI 232 - Human Genetics (4)

Human genetics and biotechnology are presented in the context of health care and public health policy. These topics are explored using problem-based learning and case studies.

General Education Category: Advanced Quantitative/Scientific Reasoning.

Prerequisite: BIOL 100, BIOL 108, or BIOL 111.

Offered: Fall.

HSCI 300 - Food Chemistry (3)

This course presents the basic composition, structure, and properties of foods, and the chemistry of changes occurring during processing, storage and use.

Prerequisite: CHEM 206

Offered: Fall.

HSCI 302 - Hazard Analysis and Critical Control Points (3)

This course is a comprehensive study of the Hazard Analysis and Critical Control Point System and its application in the food industry.

Prerequisite: BIOL 108; CHEM 104

Offered: Spring.

HSCI 400 - Quality Assurance of Food Products (3)

This course presents quality assurance practices in the food industry.

Prerequisite: BIOL 348.

Offered: Fall.

HSCI 401 - Topics in Respiratory Therapy (4)

Various aspects of respiratory therapy are reviewed for evidence-based recommendations and updates. Diagnostic techniques, treatment approaches, current clinical practice guidelines and updates, and cardiopulmonary medications are addressed.

Prerequisite: Enrollment in the respiratory therapy completion concentration of the B.S. in health sciences.

Offered: Spring.

HSCI 402 - Current Topics in Dental Hygiene (4)

This course familiarizes dental hygiene students with evolving professional trends related to the dental hygiene process of care in private or public practice.

Prerequisite: Enrollment in the dental hygiene completion concentration of the B.S. in health sciences.

Offered: As need