

GENERAL STUDIES WITH EMPHASIS IN HEALTH SCIENCE - ASSOCIATE IN ARTS

The Associate in Arts Degree program in General Studies with Emphasis in Health Science outlines a course of study for students interested in allied health careers. Students will learn to apply scientific methods to explore human structure and function, and health aspects of microbiology. The program satisfies CSU GE requirements and includes courses for students planning careers in health science fields. Students must complete each required area of emphasis course with a grade of 'C' or better.

Program Learning Outcomes

- Use library databases and the Internet to efficiently find information relevant to health science.
- Use appropriate terminology to express physical measurements, describe biological processes, identify body structures, and name chemical entities.
- Apply scientific principles to solve practical problems in microbiology, physiology, and chemistry.
- Analyze and interpret experimental or clinical data.
- Demonstrate use of the light microscope to view cells and tissues.
- Describe hemostatic controls and specific functions of the human body.
- Describe relationships between microbes and hosts, as well as between different taxonomic groups of microbes.
- Assess physical, chemical, and antibiotic measures to control or prevent microbial growth.
- Identify and describe common microbes, diseases caused, their modes of transmission, and means to reduce their transmission.
- Describe components of innate and adaptive immune systems and how protection against infections is provided.
- Describe the biology of DNA and microbial genetics.
- Explain how gases, liquids, solids, and solutions behave.
- Predict chemical reactivity, bond types, and molecular polarity from the periodic table and elements.

Area of Emphasis Requirements

Course	Title	Units
CHEM 030A	Introduction to Chemistry	4
BIOL 071	Human Anatomy	5
BIOL 072	Human Physiology	5
BIOL 074	General Microbiology	5

Total Requirements

Course	Title	Units
	Area of Emphasis Requirements	19
	Electives (AA applicable courses)	2
	General Education Requirements	39
	Physical Activity	1
	Total Units	61