

## HEALTH SCIENCES ASSOCIATE OF SCIENCE

Health Science is an interdisciplinary field that encompasses the study of biology, chemistry, epidemiology, kinesiology, natural science, nutrition, psychology, public health, research design, and statistics. It focuses on health-related issues, interventions, and outcomes. Health science programs often combine laboratory science courses with classes that are critical for understanding both individual and population health from a variety of perspectives. The Health Sciences Associate of Science degree is designed for students who wish to transfer to a four-year college or university to pursue a Baccalaureate or Master's degree in a health profession such as medical technology, nutrition, medicine, dentistry, pharmacy, physical therapy, veterinary science, etc. The lower division core requirements are similar from school to school, but the general education and institutional requirements for graduation can vary. As with all programs, students who intend to transfer to a four-year institution should research the transfer institution's requirements and plan to complete the Cal-GETC pattern. Please check with a counselor for more specific transfer information.

### Required Courses – Major

Course Number	Course Name	Units
BIO 231	Human Physiology	5
BIO 250	Cell and Molecular Biology	4
CHM 250	General Chemistry I	5
CHM 251	General Chemistry II	5
STAT C1000	Introduction to Statistics	4

### Plus 5 additional units selected from the following

Course Number	Course Name	Units
BIO 230	Human Anatomy	5
BIO 259	Microbiology	5
CHM 255	Organic Chemistry I	5

**Total Major Units** **28**

**Total Degree Units** **60**

### Program Level Student Learning Outcomes:

1. Demonstrate critical thinking skills in interpreting scientific data.
2. Describe and explain the structure and function of the various organ systems of the body.
3. Work safely and effectively in a laboratory setting.
4. Employ modern microbiological laboratory techniques to effectively isolate individual pathogens.
5. Apply formulas and/or dimensional analysis to solve word problems involving concepts in chemistry.

### Career Opportunities in HEALTH SCIENCE

Completing the Health Sciences Associate of Science degree can lead to a variety of opportunities. A degree in health science is applicable to a large variety of health professions such as behavioral analyst, certified nursing assistant, community health or public health worker, dentist, dental hygienist, dietitian assistant, epidemiologist, forensic public health specialist/forensic epidemiologist, hearing aid specialist, health educator, mental health counselor, patient care advocate, pharmacy sales representative, physician, physician assistant, physical or occupational therapist, psychiatric technician, registered diagnostic medical sonographer, registered nurse, registered radiologic technologist, research assistant or associate, and registered dietitian. Many of these occupations will require clinical training and graduate education beyond a Health Science Associate of Science degree.