

HEALTH SCIENCES – ASSOCIATE IN SCIENCE DEGREE

TOP Code:

1260.00

This degree will allow the college to distinguish our Health Science students from our STEM students. Health Sciences, Associate in Science provides a broad spectrum of courses including human biology, chemistry, human anatomy, human physiology, microbiology, nutrition, psychology, and speech communication. This area of emphasis is intended to align the coursework with preparation for future careers and programs in the health care field, such as: Anesthesia Technician, Communication Disorders, Dental Hygiene, Health Sciences, Kinesiology, Nursing, Nutrition, Public Health, Radiology Technology, and other similar disciplines. The degree includes the prerequisite requirements for both the two-year community colleges health science programs and Baccalaureate degree programs at various four-year institutions. Some variation in degree requirements may exist for a particular Health Science program; therefore, it is essential that students refer to the catalog of their intended transfer institution and contact a counselor to ensure that all required coursework is completed.

Courses identified for the area of emphasis fulfill major preparation requirements as shown on ASSIST.org articulation. Consult with a Counselor for specific information regarding the intended major at the college the student is choosing. Courses used to complete a student's area of emphasis can double count for general education. Although the associate degree recognizes the completion of general education requirements, it does not guarantee admission to a specific campus in the CSU or UC system, nor does it guarantee admission to a specific major or a specific community college program. Some majors and schools require a higher GPA than is necessary for the associate degree. Students should meet with a Counselor to determine the major preparation coursework and general education requirements for the major or program of study.

Courses must be completed with a grade of C or better. All courses must be numbered 001–099.

Program Outcomes

- Identify anatomical structures and describe the function of important systems in the human body, and be well-prepared for courses in the health science professions.
- Predict the function of unfamiliar structures based on knowledge of previously studied human cells, tissues, and organs.
- Work safely in a laboratory or clinical setting.
- Apply knowledge of anatomy, physiology, and microbiology concepts to more advanced courses required for careers in health sciences.

Requirements for the Major

Code	Title	Units
Life Science: Select 2 courses		8
ANAT 025	HUMAN ANATOMY	
BIOL 003	HUMAN BIOLOGY	
	or BIOL 011 GENERAL BIOLOGY	
	or BIOL 011H HONORS GENERAL BIOLOGY	
MICR 002	MICROBIOLOGY	
PYSO 001	HUMAN PHYSIOLOGY	
Physical Science: Select 1 course		4-5
CHEM 001A	GENERAL CHEMISTRY AND CHEMICAL ANALYSIS I	
CHEM 002A	CHEMISTRY - GENERAL, ORGANIC AND BIOCHEMISTRY I	
CHEM 002B	CHEMISTRY—GENERAL, ORGANIC AND BIOCHEMISTRY II	
CHEM 022	INTRODUCTORY CHEMISTRY	
Mathematics: Select 1 course		4-5
MATH 003	COLLEGE ALGEBRA FOR STEM	
MATH 015	EXPLORATIONS IN QUANTITATIVE REASONING	
STAT 015	STATISTICS FOR BUSINESS AND ECONOMICS	
STAT 018	STATISTICS FOR BEHAVIORAL AND SOCIAL SCIENCES	
STAT 050	ELEMENTARY STATISTICS	
STAT 050H	HONORS ELEMENTARY STATISTICS	
Additional Major Requirements: Select 1 course		3-4
ENGL 001A	READING AND COMPOSITION	
ENGL 001AH	HONORS READING AND COMPOSITION	
NUTR 011	HUMAN NUTRITION	
PSYC 001	INTRODUCTORY PSYCHOLOGY	
PSYC 001H	HONORS INTRODUCTORY PSYCHOLOGY	
PSYC 024	LIFESPAN DEVELOPMENTAL PSYCHOLOGY	
Total Units		19-22

General Education Requirements for the Associate in Science Degree

- General Information (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/>)
- PCC Local Gen Ed (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#pcclocaltext>)
- CSU Breadth (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#csubreadthtext>)
- IGETC (<https://curriculum.pasadena.edu/academic-programs-leading-degree-certificate/#igetctext>)