



Health science includes a wide variety of professions including nursing, medical doctor, pharmacist, x-ray technician, medical research, and many more. The overall goal of health science is the improvement of human and animal health through scientific research. In this pathway, students investigate the roles of biomedical professionals as they study the concepts of human medicine, physiology, genetics, microbiology, and public health.

	Year 1	Year 2	Year 3	Year 4	Advanced Education
HEALTH SCIENCE	-Principals of Biomedical Sciences	-BioMedical Human Body Systems			College Campus Experience Math-M118, Eng-W131, Psy-P103, Spch-S121, Eng-L202, Hist-H113, Hist-H105, Phil-P100, Phil-P140, Info-I101, Acct-211, Educ-108, Art-131, Comm-110 CCE Health Science Clas-C209, Biol-L105, Chem-C105/125, Chem-C100 Advanced/AP Courses -AP Statistics
English	-English 9 -English 9 Honors	-English 10 -English 10 Honors	-English Composition -DC English Composition	-American Literature -DC American Literature	
Math	-Algebra 1	-Geometry -Honors Geometry	-Algebra 2 -Honors Algebra 2	-Pre Calculus	
Science	-Biology	-Chemistry 1 -Anatomy & Physiology	-Anatomy & Physiology	-AP Chemistry -AP Biology	
Social Studies	-World Geography -Civics	-World History -AP World History	-US History -AP US History	-Government -DC Government and -Economics -DC Economics	

Required Electives

2 semesters of fine arts

2 semesters of physical education

1 semester of digital citizenship

1 semester of health

6 semesters of one foreign language or 4 semesters in two foreign languages





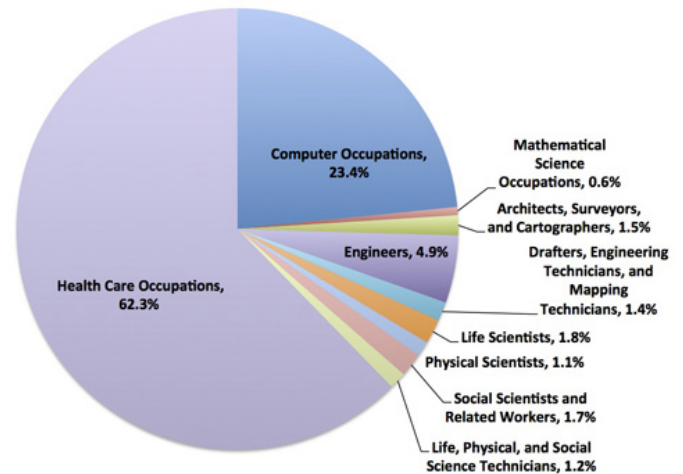
Overview

There are many opportunities within the high-skilled world of Health Science and more opportunities in lower-skilled Health Science support jobs. Learners need a solid background in science, communications, and technical skills. Organization and communication skills are essential in this field.

Employment Outlook

Employment of healthcare occupations is projected to grow 19 percent through 2024, much faster than the average for all occupations. The median annual wage for healthcare practitioners and technical occupations (such as registered nurses, physicians and surgeons, and dental hygienists) is \$61,710. However, healthcare support occupations (such as home health aides, occupational therapy assistants, and medical transcriptionists) has a median annual wage of \$26,440, lower than the median annual wage for all occupations in the economy. Home health aides are predicted to grow by 38 percent, medical assistants will grow by 23 percent, and physician assistants will grow by 30 percent.

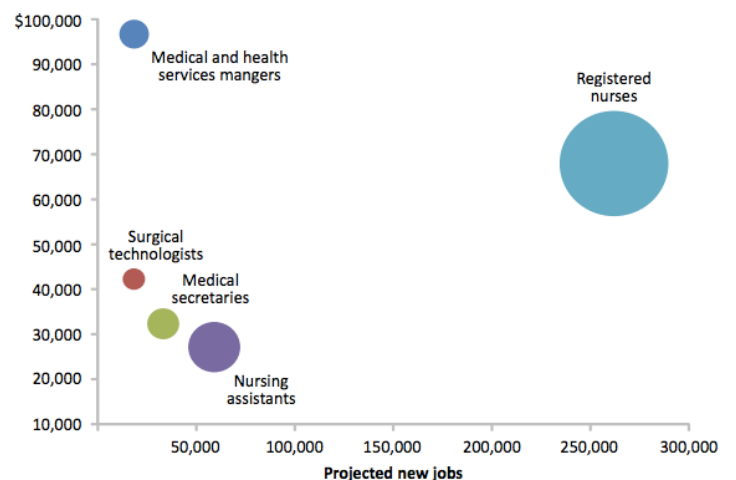
Contribution to total growth in science, engineering, and healthcare occupations, 2010–2020 (Bureau of Labor Statistics)



Possible Careers

- Ambulance Drivers and Attendants
- Medical Technicians
- Athletic Trainers
- Audiologists
- Biological Scientists
- Cardiovascular Technologists and Technicians
- Chiropractors
- Clinical Psychologists
- Clinical, Counseling, and School Psychologists
- Dentists, Dental Assistants, Hygienists, or Lab Technicians
- Diagnostic Medical Sonographers
- Dietetic Technicians and Nutritionists
- Doctors, Surgeons, or Internists
- Emergency Medical Technicians and Paramedics
- Family and General Practitioners
- Home Health Aides
- Massage Therapists
- Medical and Clinical Laboratory Technicians
- Medical Scientists
- Mental Health Counselors
- Nursing Assistants
- Orthodontists
- Orthotists and Prosthetists
- Pharmacists, Pharmacy Aides, or Technicians
- Physical Therapists or Assistants
- Surgical Technician
- Prosthodontists
- Psychiatric Aides and Technicians
- Psychiatrists or Psychologists
- Radiation Therapists or Technicians
- Rehabilitation Counselors
- Respiratory Therapists or Technicians
- Speech-Language Pathologists
- Substance Abuse and Behavioral Disorder Counselors
- Veterinarians
- Veterinary Assistants and Technicians

Chart 2: Occupations with the most new jobs in hospitals, projected 2012–22; employment and median annual wages, May 2013



Source: U.S. Bureau of Labor Statistics, Employment Projections program (projected new jobs, 2012–22) and Occupational Employment Statistics survey (employment and median annual wages, May 2013).