

Health Science & Medical Technology Industry Sector



Health Science & Medical Technology continues to be one of the fastest-growing industry sectors in California, offering numerous opportunities and benefits. Of the more than 300 careers within this sector, about 41 percent require professional-level preparation; about 33 percent, technical level preparation; and 26 percent, assistant-level preparation.

The Health Science and Medical Technology pathways and careers offer options to match a variety of the aptitudes, interests, abilities, and academic achievement of students. Wages and salaries are projected to increase by 27 percent through 2014, and employment is expected to account for about 3.6 million new jobs—19 percent of all jobs to be added to the economy by 2014.

The career pathways under the Health Science and Medical Technology Industry Sector are: Biotechnology, Mental and Behavioral Health, Healthcare Operational Support, Patient Care, Public and Community Health, and Healthcare Administrative Services. Standards for each career path build on and continue the Health Science and Medical Technology foundation standards, providing more complexity, rigor, and career specificity. And each career pathway includes standards needed for all careers within that pathway.

Red Bluff High School currently offers one Pathway in this Industry Sector.

Health Science & Medical Technology Sector Pathway:

- Patient Care



Patient Care

Sequence of courses in the Patient Care pathway:

CTE courses	Related Courses
Introductory <ul style="list-style-type: none"> Anatomy & Physiology 	<ul style="list-style-type: none"> Chemistry Biology Physics Mathematics Analysis or Calculus Computer Applications Technical Communications Anatomy and Physiology Food and Nutrition
Concentration <ul style="list-style-type: none"> Introduction to Health Careers Nutrition (Concurrent Shasta College Online) Pharmacology (Concurrent Shasta College Online) 	
Capstone <ul style="list-style-type: none"> Healthcare Occupations/Community Classroom Therapeutic Services/Community Classroom 	

Sample of pathway occupations: This sample of pathway occupations is organized by level of education and training required for workforce entry. Asterisked (*) occupations require certification or licensure.

Patient Care Pathway Occupations	
High school (diploma)	<ul style="list-style-type: none"> Physical Therapy Aide Certified Nurse Assistant* Respiratory Therapy Aide Medical Assistant Emergency Medical Technician*
Postsecondary training (certification and/or AA degree)	<ul style="list-style-type: none"> Fitness/Aerobics Instructor* Registered Physical Therapy Aide* Licensed Vocational Nurse/ Registered Nurse* Pharmacy Technician* Dental Hygienist*
College or university (bachelor's degree or higher)	<ul style="list-style-type: none"> Exercise Physiologist* Physical Therapist* Physician Assistant* Dentist* Pharmacist*

- Topics and contexts**
- Accurate measurement of blood pressure
 - Accurate recording of blood pressure