

HIGH SCHOOL PLANNER

HEALTH SCIENCES

This information should serve as a guide, along with other career planning materials, as you continue your career path. Courses listed within this guide are only recommended coursework and should be individualized to meet each learner's education and career goals. All plans should meet high school graduation requirements as well as college entrance requirements.

HIGH SCHOOL	9th	10th	11th	12th		
	Core Requirements		Core Requirements		Core Requirements	
	English 9 Secondary Math 1 Science World Geography		English 10 Secondary Math 2 Science World Civilizations		English 11 Secondary Math 3 (PreCalculus) Science U.S. History	
	English 12 Calculus or Statistics American Gov. & Citizenship		Required Electives			
	PE, The Arts, CTE, Computer Tech., Health, Financial Literacy					
Career Electives (Choose Three Credits)						
9th	10th	11th	12th			
Word Processing, Emergency Medical Services/Intro to Health Science, Medical Terminology, Basic Bio manufacturing	Intro to Health Science & Health Technology, Medical Anatomy & Physiology, EMS, Medical Terminology, Intro to Biotechnology.	Medical Anatomy & Physiology, Intro to Health Sciences & Technology, Dental Assisting, Nursing Assisting, EMS, Biotechnology, Exercise Science/Sports Medicine, Medical Terminology, Health information Management	In addition to all choices available in 10th & 11th grade: Medical Assisting, EMT, Pharmacy Technology			
GTI	STATE CTE CAREER PATHWAYS		Work Based Learning	CTSO Participation		
Biotechnology, Bio manufacturing, CNA, Dental Assisting, EMS, EMT, Intro to Health Science & Technology, Exercise Science, Medical Anatomy & Physiology, Medical Assisting, Medical Terminology, Pharmacy Tech.	The State CTE Health Sciences pathway has the following study plan to consider: Biotechnology, Clinical Laboratory & Medical Forensics, Medical Office Administrative Assistant, Dental Assistant, EMT, Medical Assistant, Nursing, Pharmacy, Surgical Tech, Therapeutic Rehabilitation/Exercise See: http://www.schools.utah.gov/cte/hs/		See your career counselor for information about: Job-Shadowing Internship Apprenticeships Medical Conferences, seminars and Workshops	You are strongly advised to participate in Career and Technical Student Organizations. The CTSO for this cluster is HOSA (Health Occupations Students of America)		
SLCC School of Applied Technology	Tech Training/ AS Degree		College/University			
CNA, Clinical Medical Assistant, Clinical Lab Assistant, Medical Office Administration, Phlebotomy Tech, Health Information Specialist, Medical Coding and Billing, Health Unit Clerk/Coordinator, Phlebotomy Technician See www.slcc.edu/sat	ASL, Basic Health Records, Biology, Biology Technician, CNA, Data Entry for Medical Billing, Dental Hygiene, Health Science, Health Unit Clerk/Coordinator, Medical Admin Assistant, Medical Assistant, Medical Coding Procedures, Medical Laboratory Technician, Nursing, Occupational Therapy Assistant, Pharmacy Technician, Physical Therapy Assistant, Radiological Technology, Surgical Technology. For further information go to: www.slcc.edu		Athletic Training, Biochemistry, Biotechnology, Clinical Lab Science, Clinical Lab Assistant, Dietetics, Exercise & Sports Science, Exercise & Sports Science Education, Health Promo & Education, Health Science, Health Info Tech, Mammography, Medical Biology, Medical & Laboratory Science, MRI &/or CT Emphasis, Nursing, Nutritional Science, Occupational Therapy Studies, Pharmacy, Physical Therapy Studies, Radiation Therapy, Radiology Practitioner, Respiratory Therapist. To find schools. offering specific programs go to UtahFutures			
Post Secondary						
Career Enhancement Options						



Health Science Career Cluster

Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Sample Career Specialties/Occupations	<ul style="list-style-type: none"> ◆ Acupuncturist ◆ Anesthesiologist Assistant ◆ Art / Music / Dance Therapist(s) ◆ Athletic Trainer ◆ Audiologist ◆ Certified Nursing Assistant ◆ Chiropractor ◆ Dental Assistant / Hygienist ◆ Dental Lab Technician ◆ Dentist ◆ Dietician ◆ Dosimetrist ◆ EMT ◆ Exercise Physiologist ◆ Home Health Aide ◆ Kinesiotherapist ◆ Licensed Practical Nurse ◆ Massage Therapist ◆ Medical Assistant ◆ Mortician ◆ Occupational Therapist / Asst ◆ Ophthalmic Medical Personnel ◆ Optometrist ◆ Orthotist/Prosthetist ◆ Paramedic ◆ Pharmacist/Pharmacy Tech ◆ Physical Therapist / Assistant ◆ Physician (MD/DO) ◆ Physician's Assistant ◆ Psychologist ◆ Recreation Therapist ◆ Registered Nurse ◆ Respiratory Therapist ◆ Social Worker ◆ Speech Language Pathologist ◆ Surgical Technician ◆ Veterinarian / Vet Tech 	<ul style="list-style-type: none"> ◆ Cardiovascular Technologist ◆ Clinical Lab Technician ◆ Computer Tomography (CT) Technologist ◆ Cytogenetic Technologist ◆ Cytotechnologists ◆ Diagnostic Medical Sonographers ◆ Electrocardiographic (ECG) Technician ◆ Electronic Diagnostic (EEG) Technologist ◆ Exercise Physiologist ◆ Geneticist ◆ Histotechnician ◆ Histotechnologist ◆ Magnetic Resonance (MR) Technologist ◆ Mammographer ◆ Medical Technologist / Clinical Laboratory Scientist ◆ Nuclear Medicine Technologist ◆ Nutritionist ◆ Pathologist ◆ Pathology Assistant ◆ Phlebotomist ◆ Positron Emission Tomography (PET) Technologist ◆ Radiologic Technologist/Radiographer ◆ Radiologist 	<ul style="list-style-type: none"> ◆ Admitting Clerk ◆ Applied Researcher ◆ Community Services Specialists ◆ Data Analyst ◆ Epidemiologist ◆ Ethicist (SHSMD Stratsociety.org) ◆ Health Educator ◆ Health Information Coder ◆ Health Information Services ◆ Healthcare Administrator ◆ Medical Assistant ◆ Medical Biller/Patient Financial Services ◆ Medical Information Technologist ◆ Medical Librarian/Cybrarian ◆ Patient Advocates ◆ Public Health Educator ◆ Reimbursement Specialist (HFMA) ◆ Risk Management ◆ Social Worker ◆ Transcriptionist ◆ Unit Coordinator ◆ Utilization Manager 	<ul style="list-style-type: none"> ◆ Biomedical / Clinical Engineer ◆ Biomedical / Clinical Technician ◆ Central Services ◆ Environmental Health and Safety ◆ Environmental Services ◆ Facilities Manager ◆ Food Service ◆ Hospital Maintenance Engineer ◆ Industrial Hygienist ◆ Materials Management ◆ Transport Technician 	<ul style="list-style-type: none"> ◆ Biochemist ◆ Bioinformatics Associate ◆ Bioinformatics Scientist ◆ Bioinformatics Specialist ◆ Biomedical Chemist ◆ Biostatistician ◆ Cell Biologist ◆ Clinical Trials Research Associate ◆ Clinical Trials Research Coordinator ◆ Geneticist ◆ Lab Assistant-Genetics ◆ Lab Technician ◆ Microbiologist ◆ Molecular Biologist ◆ Pharmaceutical Scientist ◆ Quality Assurance Technician ◆ Quality Control Technician ◆ Regulatory Affairs Specialist ◆ Research Assistant ◆ Research Associate ◆ Research Scientist ◆ Toxicologist
Pathways	Therapeutic Services	Diagnostics Services	Health Informatics	Support Services	Biotechnology Research and Development
Cluster K & S	<p>Cluster Knowledge and Skills</p> <ul style="list-style-type: none"> ◆ Academic Foundation ◆ Communications ◆ Systems ◆ Employability Skills ◆ Legal Responsibilities ◆ Ethics ◆ Safety Practices ◆ Teamwork ◆ Health Maintenance Practices ◆ Technical Skills ◆ Information Technology Applications 				