



HEALTH SCIENCE

TexasAchieve career cluster for Health Science involves research and practical experience in medical care and emergency services for people and animals.

Clinical Rotation has changed my life by allowing me to learn something new everyday and has made me excited to become a healthcare professional.

Shayla Cox, HHS Graduate

Clinical Rotations means ever thing to me. I never thought I would be able to go to the hospital and see surgery and work with patients. I get to do things kids my age rarely get to do.

Stephanie Sanchez, HHS Junior

Career Pathway
Health and Medicine

WHERE CAN I GO WITH HEALTH SCIENCE?

| | |
|--|--|
| HS Diploma/ On-the-Job Training | Ambulance Attendant/Driver, Animal Caretaker, Dental Lab Technician, Dialysis Technician, EEG Technician, Emergency Medical Technician, Home Health Aide, Medical Assistant, Veterinary Lab Technician |
| Jr/Technical/ Community College or Apprenticeship | Cardiac Technician, Clinical Lab Technician, Dental Assistant, Diagnostic Image Specialist, Industrial Hygienist, Medical Lab Technician, Medical Record Technician, LVN, LPN, Occupational Therapist, Radiological Technician, Radiographer, Recreational Therapist, Surgical Technician, Ultrasound Technician, Veterinary Lab Technician |
| Bachelor's or Master's Degree, Doctorate | Anesthesiologist, Biotechnology Research Technologist, Chiropractor, Clinical Lab Technologist, Dentist, Dietician and Nutritionist, Health Administrator, Lab Analyst, Environmental Nuclear Medicine Technologist, Nurse Anesthetist, Registered Nurse, Occupational Therapist, Optometrist, Orthotist, Prosthetist, Pharmacist, Physical Therapist, Podiatrist, Respiratory Care Technologist, Speech Pathology/Audiologist, Veterinarian |

HOW CAN I GAIN EXPERIENCE?

School Activities

Health Occupations Student Association, Academic Competition, National Honor Society, Science Fairs, Student Government, Club Officer, School Newspaper

Community Activities

Part-time Employment, Community Service Volunteer, Hospice Volunteer, Blood Drive Volunteer, Red Cross Volunteer, YMCA/YWCA Volunteer, Hospital Candy Striper, Babysitter, Animal Shelter Volunteer

College Majors

Athletic Training, Cardiovascular Technology, Gene Therapy, Cardiopulmonary Technology, Health Physics Technology, Magnetic Resonance Imaging, Nuclear Medical Technology, Perfusion Technology, Radiologic Technology, Clinical Lab Science, Cytotechnology, Hematology Technology, Histologic Technology, Phlebotomy, Addition Counseling, Genetic Counseling, Mental Health Counseling, Critical Care Nursing, Family Practice Nursing, Surgical Nursing



CLINICAL ROTATIONS: Vital Signs

Interlink targeted occupations for high demand employment opportunities for 2009-2014

8th Graders:

You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Health and Medicine field enjoy working with

PEOPLE

BISD Related High School Courses

- Principles of Health Science
- Medical Terminology
- Clinical Rotations I-II
- Practicum in Health Science (WBL)
- Pharmacy Technician
- Emergency Medical Technician
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- Sociology
- Psychology
- Food Science
- Counseling and Mental Health

Career Pathway
Health and Medicine

SAMPLE 4 YEAR PLAN FOR HEALTH SCIENCE

This Health focused graduation plan is reflective of SBOE requirements. The first four columns represent the Texas 4x4 plan of required core subjects. *Courses may be completed at any level.

| <u>Health</u> | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|------------------|---|----------------------------------|---|--|--|--|---------------------------------|
| Freshman | English I or Pre-AP English I | Algebra I or Pre-AP Geometry | Biology or Pre-AP Biology | World Geography or Pre-AP World Geography | *Latin or Other Language I | *Fine Arts Elective | *P.E. or substitute (if needed) |
| Sophomore | English II or Pre-AP English II | Geometry or Pre-AP Algebra II | Chemistry or Pre-AP Chemistry | World History or Pre-AP World History | *Latin or Other Language II | Medical Terminology AND Professional Communications | Principles of Health Science |
| Junior | English III or AP English | Pre-AP Algebra II or Precalculus | Physics, Pre-AP Physics or Principles of Technology | U.S. History or AP U.S. History | *Latin/Other Language III (for DAP) or Coun./Mental Health | Clinical Rotations I (2 credits) | |
| Senior | English IV, AP English Lit. & Comp., or Dual Credit English | Precalculus or 4th year Math | Anatomy and Physiology of Human Systems | Gov't or AP Gov't AND Economics or AP Macroeconomics | Business Information Management | Practicum in Health Science (WBL) Clinical Rotations II (2 credits) Pharmacy Tech OR EMT | |



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BCTAL classes like Clinical Rotations and *Pharmacology* make coming to class exciting, because I can interact with the real world instead of only with teachers. Coming to the Birdville Center of Technology and Advanced Education means coming to build my future.

Savannah Beasley, BHS Junior

Career Pathway
Health and Medicine

WHERE CAN I GO WITH HEALTH SCIENCE?

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PRACTICUM IN HEALTH SCIENCE: Disease Transmission Prevention

Interlink targeted occupations for high demand employment opportunities for 2009-2014

8th Graders:

You recently took the EXPLORE test which categorized your likes and dislikes. Using the EXPLORE chart people suited to the Public Safety field enjoy working with

PEOPLE

BISD Related High School Courses

- Principles of Health Science
- Medical Terminology
- Clinical Rotations I-II
- Practicum in Health Science (WBL)
- Pharmacy Technician
- Emergency Medical Technician
- Anatomy and Physiology
- Medical Microbiology
- Pathophysiology
- Sociology
- Psychology
- Food Science
- Counseling and Mental Health

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| Junior | English III or AP English | Pre-AP Algebra II or Precalculus | Physics, Pre-AP Physics or Principles of Technology | U.S. History or AP U.S. History | *Latin/Other Language III (for DAP) or Coun./Mental Health | Pharmacy Tech or EMT (2 credits) | |
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