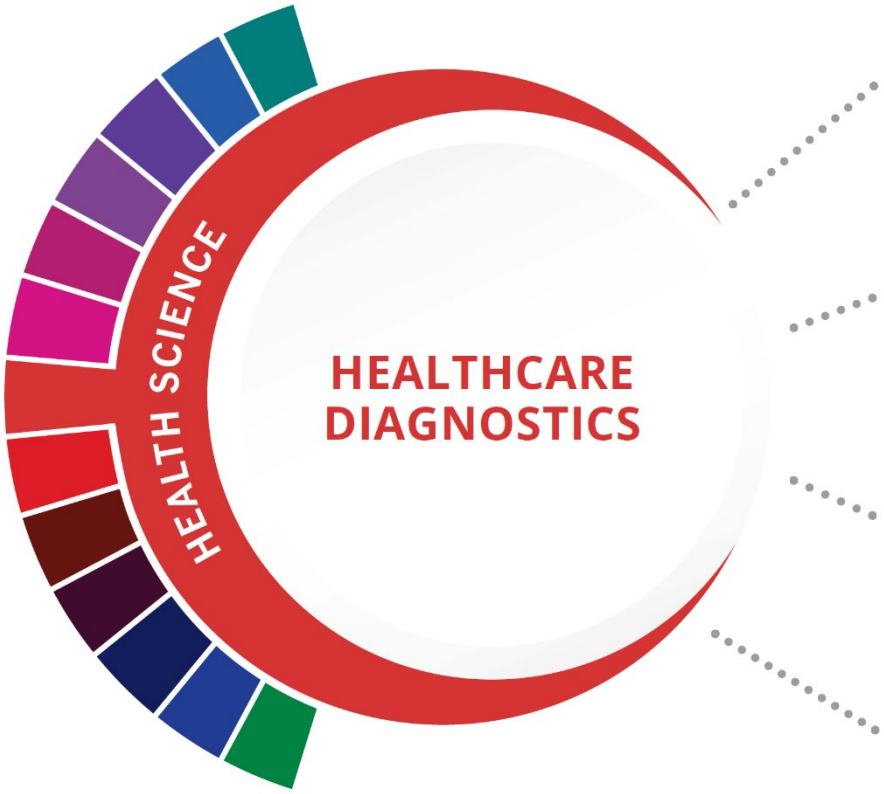

Level 1	Principles of Health Science
Level 2	Medical Terminology
Level 3	Health Science Theory Medical Microbiology
Level 4	Anatomy and Physiology Pathophysiology Practicum in Health Science

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Phlebotomy Technician	Medical Sonographer	Nuclear Medical Technology/ Technologist	Nuclear Medical Technology/ Technologist	Radiologist
EKG/ECG Technician	Radiologic Technologist	Magnetic Resonance Imaging (MRI) Technology/ Technician	Medical Radiologic Technology/ Science Radiation Therapist	Radiologic Technology/ Science - Radiographer
Medical Laboratory Technician				

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

Occupations	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	$69,909	495	35%
Phlebotomists	$30,597	1442	36%
Nuclear Medicine Technologists	$75,962	91	13%
Radiologic Technologists	$55,494	1196	19%
Magnetic Resonance Imagine Technologists	$68,661	217	21%

LEARNING OPPORTUNITIES

Exploration Activities:	Work Based Learning Activities:
Health Occupation Students of America (HOSA)	Clinical rotations at a community wellness center, hospital, assisted living, nursing home

WORK BASED LEARNING AND EXPANDED

The Healthcare Diagnostics program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

The Health Science Career Cluster focuses on planning, managing, and providing therapeutic services, diagnostics services, health informatics, support services, and biotechnology research and development. To pursue a career in the health science industry, students should learn to reason, think critically, make decisions, solve problems, communicate effectively, and work well with others.

Successful completion of the Healthcare Diagnostics program of study will fulfill requirements of the Public Service or STEM Endorsement if the math and science requirements are met. Revised- July 2020

Texas Education Agency

COURSE INFORMATION

COURSE NAME	SERVICE & COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 / 8200 (1 credit)	None	10-12
Medical Terminology	13020300 / 8205 (1 credit)	None	9-12
Health Science Theory	13020400 / 8210 (1 credit) 13020410 / 8211 (2 credits)	Principles of Health Science Clinicals: Biology & teacher approval	10-12
Medical Microbiology	13020700 / 8213 (1 credit)	PREQ: Biology and Chemistry Rec: Principles of Health Science and/or Medical Terminology	10-12
Anatomy and Physiology	13020600 / 2960 (1 credit)	PREQ: Biology and Chemistry	10-12
Pathophysiology	13020800 / 8214 (1 credit	PREQ: Biology and Chemistry Rec: Principles of Health Science and/or Medical Terminology	10-12
Practicum in Health Science	13020500 / 8215 (2 credits)	PREQ: Health Science Theory and teacher approval	12

BISD Recommended Course Sequence

Grade	9th Year	10th Year	11th Year	12th Year
Courses	Medical Terminology	Principles of Health Science	Health Science Theory &/or Medical Microbiology	Anatomy & Physiology &/or Pathophysiology &/or Practicum in Health Science