

<b>Level 1</b>	Principles of Health Science Principles of Diagnostic Healthcare Introduction to Imaging Technology
<b>Level 2</b>	Medical Terminology Imaging Technology I
<b>Level 3</b>	Health Science Theory/Health Science Clinical Medical Microbiology Imaging Technology II (TBD)
<b>Level 4</b>	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
Limited Licensed Radiology Technologist	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				
Phlebotomy Technician				

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%

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.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
<b>Exploration Activities:</b>	<b>Work Based Learning Activities:</b>
Health Occupation Students of America (HOSA)	Clinical rotations at a community wellness center, hospital, assisted living, nursing home

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



# COURSE INFORMATION

COURSE NAME	SERVICE ID	PREREQUISITES (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	13020200 (1 credit)	None	9-10
Principles of Diagnostic Healthcare	N1302106 (1 credit)	None	9-10
Introduction to Imaging Technology	N1302102 (1 credit)	None	9-10
Medical Terminology	13020300 (1 credit)	None	9-12
Imaging Technology I	N1302114 (1 credit)	None	10-11
Health Science Theory/ Health Science Clinical	13020400 (1 credit) 13020410 (2 credits)	PREQ: Biology	10-12
Medical Microbiology	13020700 (1 credit)	PREQ: Biology and Chemistry	10-12
Imaging Technology II	TBD	TBD	TBD
Anatomy and Physiology	13020600 (1 credit)	PREQ: Biology and a second science credit	10-12
Pathophysiology	13020800	PREQ: Biology and Chemistry	10-12
Practicum in Health Science	13020500 (2 credits) 13020505 (3 credits) 13020510 (2 credits) 13020515 (3 credits)	PREQ: Health Science Theory and Biology	11-12

FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER,  
PLEASE CONTACT: [CTE@tea.texas.gov](mailto:CTE@tea.texas.gov)  
<https://tea.texas.gov/cte>