



**HEALTHCARE DIAGNOSTICS
COURSE PATHWAY**



EXPLORATION Principles of Health Science (optional, 8th grade)
Health Science Theory



INVESTIGATION Medical Terminology



PREPARATION Anatomy & Physiology



APPLICATION Medical Microbiology

**EXPANDED LEARNING
OPPORTUNITIES**

**Career & Technical
Student Organization**

Health Occupation
Students of America
(HOSA)

Work-based Learning

Community clinic,
Hospital
Assisted living/nursing home

**INDUSTRY BASED CERTIFICATION
OPPORTUNITIES**

Certified EKG Technician

DUAL CREDIT OPPORTUNITIES

Medical Terminology

Discuss additional dual credit opportunities with
your counselor

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.

POSTSECONDARY OPPORTUNITIES

ASSOCIATE'S DEGREE

- ◆ Nuclear Medical Technology/Technologist
- ◆ Magnetic Resonance Imaging (MRI) Technology/Technician

BACHELOR'S DEGREE

- ◆ Nuclear Medical Technology/Technologist
- ◆ Medical Radiologic Technology/Science Radiation Therapist

MASTER'S, DOCTORAL, & PROFESSIONAL DEGREES

- ◆ Radiologist
- ◆ Radiologic Technology/Science Radiographer

CONNECTED OCCUPATIONS

Occupation	Median Wage	Annual Openings	% Growth
Diagnostic Medical Sonographers	\$69,909	495	35%
Phlebotomist	\$30,597	1,442	36%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	21%
Magnetic Resonance Imaging Technologists	\$68,661	217	21%

Successful completion of the Healthcare Diagnostics program of study fulfills the requirements of a Public Service endorsement or a STEM endorsement if the math and science requirements are met.

Temple ISD Course Details

COURSE NAME	PREREQUISITES	GRADES	TISD COURSE CODE	SERVICE ID and COURSE CREDIT
Principles of Health Science (optional, 8th grade)	None	8	V13200 ⁺	13020200 (1 credit)
Health Science Theory [*]	Co –credit: Biology	9-12	V13204 ⁺	13020400 (1 credit)
Medical Terminology [*]	None	10-12	V13203 ⁺ V13209 (DC)	13020300 (1 credit)
Anatomy & Physiology [*]	Biology and a second science	11-12	V13206 ⁺	13020600 (1 credit)
Medical Microbiology [*]	Biology and Chemistry	11-12	V13207 ⁺	13020700 (1 credit)

^{*}Costs are associated with each course

⁺Minimum of four listed courses required to meet CTE Completer status

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