



Level 1 Principles of Health Science

Level 2 Medical Terminology

Level 3 Health Science Theory*
Medical Microbiology

Level 4 Anatomy and Physiology
Pathophysiology
Extended Career Preparation I **

Successful completion of a **Program of Study** will fulfill requirements of earning an **Endorsement**.

* District Technology Credit **List Driven Course

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

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.

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	WBL Activities:
Health Occupation Students of America (HOSA)	Clinical rotations at a community wellness center, hospital, assisted living or nursing home

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%



COURSE INFORMATION

COURSE NAME	LOCAL COURSE ID	PREREQUISITS (PREQ) COREQUISITES (CREQ)	Grade
Principles of Health Science	12126 (1 credit)	None	9-10
Medical Terminology	12125 (1 credit)	PREQ: Principles of Health Science	9-12
Health Science Theory	12130 (1 credit)	PREQ: Principles of Health Science Med Terminology	11-12
Medical Microbiology	12142 (1 credit)	PREQ: Biology and Chemistry	11-12
Anatomy and Physiology	12140 (1 credit)	PREQ: Biology and a second science credit	11-12
Pathophysiology	12143 (1 credit)	PREQ: Biology and Chemistry	11-12
Extended Career Preparation I **	12255 (3 credits)	PREQ: A sequence of courses from this POS	12

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FOR ADDITIONAL INFORMATION ON THE HEALTH SCIENCE CAREER CLUSTER, PLEASE CONTACT:

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