



## HEALTHCARE DIAGNOSTICS

The Healthcare Diagnostics program of study introduces students to occupations & education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment & prevention of disease.

LEVELS	COURSES		
Level 1	Principles of Health Science 1410CT / 9-12		
Level 2	Medical Terminology 1443CT / 9-12		
Level 3	<b>Health Science Theory</b> 1411CT / 10-12 <i>Prerequisite: Biology AND Principles of Health Science OR Medical Terminology OR Introduction to Dental Science</i> <b>CPR Certification Possible</b>	<b>Medical Microbiology</b> 8120CT / 10-12 <i>Prerequisite: Biology &amp; Chemistry AND Principles of Health Science OR Introduction to Dental Science</i> <b>Science Credit</b>	
Level 4	<b>Anatomy &amp; Physiology</b> 0810CT OR 8100A-B / 11-12 <i>Prerequisite: Biology &amp; 1 other science credit AND Principles of Health Science OR Introduction to Dental Science</i> <b>Science Credit</b>	<b>Pathophysiology</b> 8125CT / 11-12 <i>Prerequisite: Biology &amp; Chemistry AND Principles of Health Science</i> <b>Science Credit</b>	<b>Practicum in Health Science*</b> 1431CA-CB / 12 <i>Prerequisite: Health Science Theory AND any Level 3 Healthcare Therapeutic Course AND Selection Process</i>
<b>*Students cannot take Pharmacy Tech AND Practicum in Health Science.</b>			

1 Semester Home Campus	2 Semester Home Campus	1 Semester Ben Barber	2 Semester Ben Barber
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OCCUPATION	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH
Diagnostic Medical Sonographers	\$69,909	495	35%
Nuclear Medicine Technologists	\$75,962	91	13%
Radiologic Technologists	\$55,494	1,196	19%
Magnetic Resonance Image Technologists	\$68,661	217	21%

### SUPPORTING CERTIFICATIONS

#### CPR Certification - Health Science Theory

Sudden cardiac arrest (SCA) is a leading cause of death among adults in the United States. Cardiopulmonary resuscitation (CPR) dramatically increases the chance of survival for a victim suffering from SCA. CPR is a combination of chest compressions and breaths, and provides critical blood flow and oxygen to the heart and brain.

*The district will pay 100% of the cost of the certification test if students can show mastery by passing a certification practice test AND maintain an 80+ overall course grade at the time of the certification test. If students don't meet the requirements above, they must pay 100% of the cost of the certification test.*

Students must have successfully completed a level 1 or 2 course AND a level 3 or 4 to take a practicum course.

To earn a CTE endorsement, an MISD student must take 4 or more credits in the same endorsement area, with at least 2 of 4 credits within the same program of study and must include at least one Level 3 or Level 4 CTE course.