



# Diagnostic Services



**Course Overview:** Focuses on careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

**Career Goal (O\*NET Code):** Radiologic Technologist and Technician (29-2034), Nuclear Medicine Technologist (29-2033).

**Student's Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**School:** Mabank High School **Grade:**  9th  10th  11th  12th  AR

**Primary Endorsement:** Public Service **Additional Endorsements:**  Arts & Humanities  Multidisciplinary  
 Business & Industry  STEM

**Parent's Signature:** \_\_\_\_\_ **Student's Signature:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:	Algebra I Art I Health	Spanish I Touch Systems Data Entry	<b>Curricular Experiences:</b> <a href="#">Health Occupations Students of America</a> <a href="#">NASA Research Program</a>	<b>Extracurricular Experiences:</b> Language Immersion Programs National Youth Leadership Forum on Medicine School Newspaper STARS Research Program Student Government UIL Academic Competitions Yearbook
High School	9th	<b>Core Courses:</b>	English I Algebra I or Geometry Biology	World Geography Languages other than English I Physical Education		
		<b>Career-Related Electives:</b>	Principles of Health Science			
	10th	<b>Core Courses:</b>	English II Geometry or Alg II Chemistry	World History Languages other than English II		
		<b>Career-Related Electives:</b>	Human Growth & Development Lifetime Wellness & Nutrition			
	11th	<b>Core Courses:</b>	English III Algebra II or Pre-Cal Physics	United States History Languages other than English III		
		<b>Career-Related Electives:</b>	Medical Terminology (MDCA1313) Medical Microbiology			
12th	<b>Core Courses:</b>	English IV Alg II, Pre-Calculus, AP Calculus, AP Statistics AP Chemistry or Science Elective	Government/Economics Fine Arts Languages other than English IV			
	<b>Career-Related Electives:</b>	Anatomy & Physiology Health Science Theory & Clinical (HPRS1205 & NURA1407)				
On-the-Job Training	Transport Aide NOTE: These experiences may be started and/or completed as part of the high school experience.				<b>College Credit Opportunities -- High School</b>  Students should take Advanced Placement (AP), International Baccalaureate (IB), dual credit, Advanced Technical Credit (ATC), or locally articulated courses (Tech Prep), if possible. List those courses that count for college credit on your campus.	<b>Professional Associations:</b> <a href="#">American Association of Medical Dosimetrists</a> <a href="#">American Registry of Diagnostic Medical Sonographers</a> <a href="#">American Society of Radiologic Technologists</a> <a href="#">Society of Nuclear Medicine</a>
	Certificates	Basic Life Support                      OSHA CareerSafe NOTE: Students may earn all or part of these certificates as part of the high school experience.				
Postsecondary	Associate Degrees	<a href="#">Nuclear Medicine</a> <a href="#">Radiological Sciences</a> <a href="#">Sonography</a>			<b>Career Options:</b> Radiographer Mammographer	Radiation Therapy Technologist Diagnostic Medical Sonographer Nuclear Medicine Technologist
	Bachelor Degrees	Radiologic Science			<b>Career Options:</b> Dosimetrist Radiographer	Radiation Therapy Technologist Radiologist Assistant
	Graduate Degrees	Doctor of Medicine                      Master of Science Radiologic Science                      Nuclear Medicine			<b>Career Options:</b> Radiologist Imaging Management	Imaging Researcher

This program of study (POS) serves as a guide, along with other college and career planning materials, for pursuing college and career goals. POS developed 2017. A Public Service endorsement as defined in 19 TAC 74.13(0)(2)(A) requires a coherent sequence of courses for four or more credits in career and technical education (CTE) that consists of at least two courses in the least one advanced CTE same career cluster, including at course, which includes any course that is the third or higher course in a sequence. The final courses in the sequence must be obtained from one of the Health Science career cluster.