



# 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 Name:** \_\_\_\_\_  
**Grade:** \_\_\_\_\_  
**School:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	<b>HS Courses:</b>	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		
<b>Career-Related Electives:</b>			Business Information Management I			
10th		<b>Core Courses:</b>	English II Geometry or Alg II Chemistry	World History Languages other than English II		
		<b>Career-Related Electives:</b>	Medical Terminology			
11th		<b>Core Courses:</b>	English III Algebra II, Pre-Cal, or Math Models Physics or Princ of Technology	United States History Professional Communications		
		<b>Career-Related Electives:</b>	Anatomy and Physiology or Languages other than English III			
12th	<b>Core Courses:</b>	English IV Alg III, Pre-Calculus, or AP Calculus Anatomy & Physiology	Government/Economics Fine Arts			
	<b>Career-Related Electives:</b>	Anatomy and Physiology or Languages other than English IV				
On-the-Job Training	Transport Aide	NOTE: These experiences may be started and/or completed as part of the high school experience.			<b>Career Options:</b> Radiographer Mammographer Radiation Therapy Technologist Diagnostic Medical Sonographer Nuclear Medicine Technologist	<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>
	<b>Certificates</b>	Basic Life Support OSHA CareerSafe	NOTE: Students may earn all or part of these certificates as part of the high school experience.			
Postsecondary	<b>Associate Degrees</b>	<a href="#">Nuclear Medicine</a>	<a href="#">Radiological Sciences</a>	<a href="#">Sonography</a>	<b>Career Options:</b> Radiologist Imaging Management Radiation Therapy Technologist Radiologist Assistant Imaging Researcher	
	<b>Bachelor Degrees</b>	Radiologic Science				
	<b>Graduate Degrees</b>	Doctor of Medicine	Master of Science Radiologic Science	Nuclear Medicine		

**Career Learning Experiences:**  
 Career Preparation  
 Internship  
 Job Shadowing

**COLLEGE CREDIT OPPORTUNITIES -- High School**  
 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.

Students may select other elective courses for personal enrichment purposes.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path and is based on the most recent information as of 2009. All plans meet high school graduation requirements as well as college entrance requirements.