



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

# Diagnostic Services

**Career Goal (O\*NET Code):** Clinical Laboratory Scientist (29-2011), Clinical Laboratory Technician (29-2012).

**Student Name:** \_\_\_\_\_

**Grade:** \_\_\_\_\_

**School:** \_\_\_\_\_

## SUGGESTED COURSEWORK

## EXTENDED LEARNING EXPERIENCES

Middle School	8th	HS Courses:				<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 Medical Mission Trips National Youth Leadership Forum on Medicine STARS Research Program Student Government UIL Academic Competitions Science Club
High School	9th	Core Courses:	English I Algebra I Biology	World Geography Physical Education Languages other than English I	Professional Communications		
		Career-Related Electives:	Principles of Health Science				
	10th	Core Courses:	English II Geometry Chemistry	World History Languages other than English II			
		Career-Related Electives:	Medical Terminology				
	11th	Core Courses:	English III Algebra II Physics	United States History			
		Career-Related Electives:	Health Science Technology I or Anatomy and Physiology or Languages other than English III				
	12th	Core Courses:	English IV AP Statistics AP Biology	Government/Economics Fine Arts			
		Career-Related Electives:	Health Science Technology II or Medical Microbiology or Pathophysiology or AP Calculus or Languages other than English IV or Advanced Biotechnology				
						<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.	
	On-the-Job Training	Histologic Technician      Laboratory Assistant      Phlebotomist					<b>Professional Associations:</b> <a href="#">American Medical Technologist</a> <a href="#">American Society of Clinical Laboratory Science</a> <a href="#">American Society of Clinical Pathology</a> <a href="#">American Society for Cytotechnology</a> <a href="#">American Society of Phlebotomy Technicians</a> <a href="#">National Accrediting Agency for Clinical Laboratory Sciences</a> <a href="#">National Society for Histotechnology</a>
		NOTE: These experiences may be started and/or completed as part of the high school experience.					
	Certificates	Phlebotomy      Medical Lab Technician      OSHA CareerSafe			<b>Career Options:</b> Phlebotomist      Laboratory Assistant Laboratory Technician		
						NOTE: Students may earn all or part of these certificates as part of the high school experience.	
Postsecondary	Associate Degrees	<a href="#">Clinical Laboratory Technology</a> <a href="#">Histology</a> <a href="#">Medical Lab Technology</a>			<b>Career Options:</b> Medical Laboratory Technician      Histology Technician Clinical Laboratory Technician		
	Bachelor Degrees	Biology      Chemistry      Medical Technology			<b>Career Options:</b> Clinical Lab Scientist      Forensic Scientist Medical Technologist		
	Graduate Degrees	Medical Technology			<b>Career Options:</b> Histotechnologist      Clinical Lab Management Forensic Scientist      Research Scientist		

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.