



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): Radiologic Technologist and Technician (29-2034), Nuclear Medicine Technologist (29-2033).

Student Name: _____
Grade: _____
School: _____

| SUGGESTED COURSEWORK | | | | | EXTENDED LEARNING EXPERIENCES | |
|----------------------|---------------------------|---|---|---|--|---|
| Middle School | 8th | HS Courses: | | | Curricular Experiences: Health Occupations Students of America NASA Research Program Career Learning Experiences: Career Preparation Internship Job Shadowing | Extracurricular Experiences: Language Immersion Programs National Youth Leadership Forum on Medicine School Newspaper STARS Research Program Student Government UIL Academic Competitions Yearbook Service Learning Experiences: Boy/Girl Scouts Campus Service Organizations Community Service Volunteer Medical Mission Trips Peer Mentoring / Peer Tutoring Special Olympics |
| High School | 9th | Core Courses: | English I Algebra I Biology | World Geography Physical Education Languages other than English I | | |
| | | 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 | 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. | | |
| | Career-Related Electives: | Health Science Technology II or Pathophysiology or AP Calculus 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. | | | Professional Associations: American Association of Medical Dosimetrists American Registry of Diagnostic Medical Sonographers American Society of Radiologic Technologists Society of Nuclear Medicine | |
| | Certificates | Basic Life Support OSHA CareerSafe NOTE: Students may earn all or part of these certificates as part of the high school experience. | | Career Options: | | |
| Postsecondary | Associate Degrees | Nuclear Medicine Radiological Sciences Sonography | | Career Options: Radiographer Mammographer | | Radiation Therapy Technologist Diagnostic Medical Sonographer Nuclear Medicine Technologist |
| | Bachelor Degrees | Radiologic Science | | Career Options: Dosimetrist Radiographer | | Radiation Therapy Technologist Radiologist Assistant |
| | Graduate Degrees | Doctor of Medicine Master of Science Radiologic Science Nuclear Medicine | | Career Options: Radiologist Imaging Management | | Imaging Researcher |

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.