



General Healthcare Pathway Model

with Diagnostic Medical Sonographer Emphasis

Planning, managing, and providing therapeutic, diagnostic, health informatics, and support services as well as biomedical research and development.

Potential Careers in Healthcare with Diagnostic Medical Sonographer Emphasis

- Diagnostic Medical Sonographer
- Cardiac Technologist
- Educator
- Echo Technologist
- Ultrasound Technologist
- Administrator

Where General Healthcare Professionals Work

Local Employers

- Chicago Institute for Health and Wellness
- DeKalb Clinic
- Fox Valley Medicine
- Kane County Health Department
- KishHealth System Hospice
- Kishwaukee Hospital Lurie Children's Hospital
- Sinai Health System
- Presence Health
- Palos Community Hospital
- Southside Pregnancy Center
- Loyola University Health System
- Memorial Health System
- Silver Cross Hospital

National Employers

- Cedars-Sinai Hospital
- Malibu Medical Corporation
- Mayo Clinic Health System
- New York/Presbyterian Hospital
- Chesapeake Medical Imaging
- Susan G. Komen Center
- Baylor Health Care System
- Florida Hospital Orlando
- The Johns Hopkins Hospital
- Massachusetts General Hospital
- Houston Methodist Center

2014 median pay nationwide - \$61,710 annually for healthcare practitioners and technical occupations

Integrated Work-Based Learning Components

See back panel for more specific program requirements >>

Career Awareness Activities
Workplace Tours, Guest Speakers or Career Fairs

Career Exploration Activities
Job Shadowing, Site Visits, or Informational Interviews

Career Practice Activities
Student Camps and Challenges, Student Enterprises or Service Learning

Professional Learning
Internships and Industry Credentials

Did you know...

Employment of healthcare occupations is projected to grow 19 percent from 2014 to 2024, adding about **2.3 million new jobs**.

Source: Bureau of Labor Statistics

Healthcare professionals have several options when it comes to their work environment. Choose from working in a lab, a hospital, a clinic, or in patients' homes.

Source: allhealthcare.monster.com

U.S. News and World Reports ranks Diagnostic Sonographers as #42 in the 100 Best Jobs.

Source: U.S. News and World Report

Programs need to be accredited by Commission on Accreditation of Allied Health Education Programs (CAAHEP).

Sonographers with advanced certification can specialize in cardiac, fetal or musculo-skeletal areas.

Source: www.mynextmove.org

Recommended General Healthcare Pathway

4 Semesters Township High School District 211 Health Science Cluster Township HS 211 – Health Science Cluster				5 Semesters Harper College A.A.S. Diagnostic Medical Sonographer Degree Harper – Associate in Applied Science A.A.S.: Diagnostic Medical Sonography Degree					2-3 Semesters Northern Illinois University Bachelor of General Studies in Health and Human Sciences NIU - Bachelor of General Studies (B.G.S.) in Health and Human Sciences*			
Year 1	Year 2	Year 3	Year 4	Year 1		Year 2			Year 1		Year 2	
Grade 9	Grade 10	Grade 11	Grade 12	Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 1	Semester 2	Semester 3	Semester 4
		R313 (R61302) Health Career Exploration and Medical Terminology (Dual Credit)	W61303 Health Occupations and W61503 Health Occupations Observational Internship	Human Anatomy (BIO 160)	Human Physiology (BIO 161)	Medical Terminology (HSC 112)	Sonography Lab I (DMS 109)	Obstetrical and Gynecological Sonography Theory (DMS 205)	Issues in Gerontology (UHHS 465)	Working with Diverse Populations in HHS (UHHS 430)	Critical Thinking for HHS Professions (UHHS 350)	Legal & Ethical Issues (UHHS 410)
				Ultrasound Physics/Instrumentation 1 (DMS 105)	Sonography Theory I (DMS 107)	Cardiac Emergencies (CTE 103)	Ultrasound Physics/Instrumentation 2 (DMS 106)	Medical Sonography Lab I (DMS 206)	Administration for Professionals in HHS (UHHS 450)	Resource Allocation in HHS (UHHS 455)	Introduction to Research in HHS (UHHS 460)	Disability in Society (AHRS 200)
				Basic Pharmacology (HSC 165)	Basic Health Care Skills (HSC 107)	Legal and Ethical Issues in Health Care (HSC 213)	Sonography Theory II (DMS 108)	Medical Sonography Clinical I (DMS 207)	Ecology of Health 1 (PHHE 295) OR Contemporary Health Concepts (PHHE 206)	Foundations in Homeland Security and Disaster Preparedness (UNIV 310) or Disaster Preparedness (TECH 432)	Introduction to HHS (UHHS 310)	BGS Elective
				Introduction to Psychology (PSY 101)	Psychology of Human Development (PSY 228)	Introduction to the Medical Sonography Clinical (DMS 201)	Health Care Technology and Informatics (HSC 104)	Abdominal and Small Parts Sonography Theory 2 (DMS 208)	BGS Elective			BGS Elective
					Intro to Health Care Today (HSC 105)	Creativity and Critical Analysis Elective*	Sonography Lab II (DMS 110)	Medical Sonography Lab II (DMS 209)				
					Fundamentals of Nutrition (DIT 101)	Creativity and Critical Analysis Elective*	Abdominal and Small Parts Sonography Theory I (DMS 204)	Obstetrical and Gynecological Sonography Theory II (DMS 210)				
							Creativity and Critical Analysis Elective*					
Dual Credit, Advanced Placement or Articulated Credit AP Language Comp, AP Literature Comp, AP Western History, AP Geography, U.S. History or AP U.S. History OR AP Macro Econ Amer Gov't OR AP Psychology, American Government and Economics (AP available)				Prerequisite Information					Prerequisite Information Courses may need to be spread across several semesters, including summers, depending on student's needs – because most students are active Health Services career professionals attending part-time.			
Recommended Math/Science Math courses through Algebra II with Pre-Calc, Biology, Chemistry, Physics, Anatomy & Physiology				Recommended Math/Science Elementary Statistics (MTH 165), Basic Concepts in Physics (PHY 100)					General Education Requirements			
Recommended English/Social Studies				Recommended English/Social Studies Composition (ENG 101), Fundamentals of Speech Communication (SPE 101), Composition (ENG 102)					Recommended English/Social Studies			
Recommended Electives				Recommended Electives Be sure humanities IAI codes fall under "Creativity and Critical Analysis" at NIU.					Recommended Electives Selected in consultation with the BGS advisor and to be applicable to personal goals. May be met through transfer course work.			
Professional Learning/Internships				Professional Learning/Internships					Professional Learning/Internships			
Industry Credentials Earned				Industry Credentials Earned					Industry Credentials Earned			
Degree Completion Information For more information about Health Sciences, Therapeutic Services Pathway, Health Science Cluster contact Peggy Byrne Career Advisor pbyrne@d211.org 847-755-1657				Degree Completion Information For more information about the Harper College General Healthcare program, call 847-925-6393					Degree Completion Information NIU's Bachelor of Science, General Health, contact Sandi Splansky, Director, Academic Advising and B.G.S. Advisor ssplansky@niu.edu 815-753-1891			
Local Entry Level Positions after Degree				Local Entry Level Positions after Degree					Local Entry Level Positions after Degree			

Key

- Career-focused instructional sequence
- Academic Competencies
- Professional Learning