

DIAGNOSTIC MEDICAL SONOGRAPHY (B.S.)

The Diagnostic Medical Sonography (DMS) program prepares students to become certified sonographers. Diagnostic Medical Sonography is a 3 + 1.5 program with the final 16 months completed at Northwestern Memorial Hospital. Coursework in DMS prepares students for clinical, theoretical, technical, and professional aspects of a career in sonography. The program integrates mastery learning models into didactic instruction, laboratory application, and clinical experiences with a competency-based education format. The DMS program emphasizes the delivery of high-quality patient care correlated with the knowledge and skills needed to accurately demonstrate normal anatomical structures and pathologies in state-of-the-art healthcare facilities.

Admission to the professional education component is controlled by Northwestern Memorial Hospital. (Note: Completion of the required pre-professional course work will satisfy the admission requirements of the professional programs, but will not guarantee admission.) Successful completion of the Northwestern Memorial program completes the professional education component of the degree and are eligible to be certified through examination by the American Registry for Diagnostic Medical Sonography.

DMSO 333	Obstetrics & Gynecology Sonography II Laboratory	1
DMSO 350	Vascular Sonography I	2
DMSO 351	Vascular Sonography I Laboratory	1
DMSO 352	Vascular Sonography II	2
DMSO 353	Vascular Sonography II Laborat	2
DMSO 360	Pediatric & Breast Sonography	1
DMSO 380	Diagnostic Medical Sonography Seminar	2
DMSO 382	Professional Research	2
DMSO 390	Clinical Education I	3
DMSO 391	Clinical Education II	3
DMSO 392	Clinical Education III	3
DMSO 393	Clinical Education IV	4
Total Hours		46

Code	Title	Hours
Pre-Professional Program		
BIOL 124	Principles of Biology I	3
BIOL 125	Principles of Biology I Lab	1
BIOL 221	Human Anatomy	4
BIOL 252	Human Physiology	4
CHEM 120	Foundations of Chemistry	5
or CHEM 121 & CHEM 123	General Chemistry I and General Chemistry I Lab	
MATH 105	Introduction to Statistics	3
or MATH 175	Statistics	
MATH 125	Pre-Calculus	5
PSCI 111	General Physics I	4
PSCI 112	General Physics II	4
RADG 101	Introduction to Radiologic Sciences	1
RADT 102	Medical Terminology	1
Total Hours		35

Code	Title	Hours
Professional Program at Northwestern Medicine		
DMSO 300	Introduction to Sonography & Patient Care	2
DMSO 310	Sonography Principles and Instrumentation I	2
DMSO 311	Sonography Principles and Instrumentation II	2
DMSO 312	Sonography Principles and Instrumentation III	1
DMSO 320	Abdomen Sonography I	2
DMSO 321	Abdomen Sonography I Laboratory	1
DMSO 322	Abdomen Sonography II	3
DMSO 323	Abdomen Sonography II Laboratory	1
DMSO 330	Obstetrics & Gynecology Sonography I	2
DMSO 331	Obstetrics & Gynecology Sonography I Laboratory	1
DMSO 332	Obstetrics & Gynecology Sonography II	3