

DIAGNOSTIC MEDICAL SONOGRAPHY / BACHELOR OF SCIENCE 3 + 1 PROGRAM

Total Credit Hours: 143-147

Major Credit Hours: 96-98

A grade of "C-" or better must be earned in a prerequisite course in order to advance to the next course in the sequence.

It is the policy of the Biology department to support with letters of recommendation for professional school applications only those students who have achieved a cumulative and science GPA of 3.0. In the event that a student has their request for letters of recommendation denied, they have the right to petition for reconsideration with the understanding that there is no guarantee that the petition will be successful. Acceptance into any professional school is solely determined by the admission committee of that school. All faculty members have the right to decline a request to write a letter of recommendation for any student.

Diagnostic Medical Sonography majors may take a Biology class only two times. If a student has not achieved a minimum grade of a "C-" after the second attempt, the student may not repeat the class.

Students are required to shadow, observe a DMS, for a day at Northwestern Memorial Hospital or show proof of such activity at another medical facility before applying to the program.

Requirements

Degree Requirements

Code	Title	Hours
Core Courses		
BIOL 11000	General Biology 1	4
BIOL 11100	General Biology 1 Lab	1
BIOL 11500	General Biology 2	4
BIOL 11600	General Biology 2 Lab	1
BIOL 22000	Genetics	4
BIOL 22100	Genetics Lab	1
BIOL 22400	General Microbiology	4
BIOL 22600	General Microbiology Lab	1
CHEM 11000	General Chemistry 1	4
CHEM 11100	General Chemistry 1 Lab	1
CHEM 11500	General Chemistry 2	4
CHEM 11600	General Chemistry 2 Lab	1
HUPR 19500	Medical Terminology	3
Select one of the following:		4
MATH 19900	Precalculus	
MATH 20400	Calculus for the Life Sciences	
MATH 20900	Calculus 1	
PHYS 20000	College Physics 1	4
PHYS 20100	College Physics 1 Lab	1

Anatomy and Physiology Course Sequence

Select one of the following options: 8-10

Option 1:

BIOL 33500	Advanced Clinical Physiology
BIOL 33600	Case Studies in Human Physiology
BIOL 42200	Human Anatomy
BIOL 42300	Functional Human Anatomy Lab

Option 2:

BIOL 10100	Anatomy and Physiology 1
BIOL 10200	Anatomy and Physiology 1 Lab
BIOL 10300	Anatomy and Physiology 2
BIOL 10400	Anatomy and Physiology 2 Lab

Professional Phase

Students complete the Professional Phase of the program at Northwestern Memorial Hospital.

BIOL 33001	Introduction to Sonography and Patient Care	2
BIOL 33201	Sonography Principles and Instrumentation 1	2
BIOL 33202	Sonography Principles and Instrumentation 2	2
BIOL 33203	Sonography Principles and Instrumentation 3	1
BIOL 34501	Abdomen Sonography 1	2
BIOL 34502	Abdomen Sonography 1 Lab	1
BIOL 34503	Abdomen Sonography 2	3
BIOL 34504	Abdomen Sonography 2 Lab	1
BIOL 34900	Clinical Education 1	3
BIOL 35100	Clinical Education 2	3
BIOL 43801	Diagnostic Medical Sonography Seminar	2
BIOL 43901	Obstetrics and Gynecology Sonography 1	2
BIOL 43902	Obstetrics and Gynecology Sonography I Lab	1
BIOL 43903	Obstetrics and Gynecology Sonography 2	3
BIOL 43904	Obstetrics and Gynecology Sonography 2 Lab	1
BIOL 44101	Vascular Sonography 1	2
BIOL 44102	Vascular Sonography 1 Lab	1
BIOL 44103	Vascular Sonography 2	2
BIOL 44104	Vascular Sonography 2 Lab	2
BIOL 44400	Clinical Education 3	3
BIOL 44501	Pediatric and Breast Sonography	1
BIOL 45300	Clinical Education 4	4
BIOL 45501	Professional Research	2

Total Hours 96-98

Advanced Writing Requirement

The advanced writing requirement of the General Education curriculum is satisfied by successful completion of the curricula at Lewis University and Northwestern Memorial Hospital.