

Diagnostic Medical Sonography Curriculum

Course	Course Title	Credits	CORE 39
<u>Fall Semester-First Year</u>			
ENG 101	Rhetoric and Composition I	3	F
CMST 101/107	Communication	3	F
MATH 111/114/ 215/230	Mathematics	3	F
BIOL 121	Human Anatomy and Physiology I	4	BS- NS Lab
UNIV 101	First Year Experience	1	F
HP 115	Medical Terminology for the Health Professions	<u>2</u>	
		16	
<u>Spring Semester-First Year</u>			
ENG 201	Rhetoric and Composition II	3	F
BIOL 122	Human Anatomy and Physiology II	4	BS-NS
PHYS 101	Introduction to Physical Sciences	3	WOK-S & MI
RADT 196	Orientation to Radiologic and Imaging Sciences	2	
WOK-SIQ	Choose course from Ways of Knowing-Social Inquiry	<u>3</u>	WOK-SI
		15	
<p>Applicants must complete the 11 prerequisite courses listed above with at least a “C” and a minimum grade point average of 3.0 (4.0 scale). All grades must be available to be eligible to apply to DMS program. Beginning with the fall 2025 application period, prerequisite science courses (BIOL 121, BIOL 122 and PHYS 101) should be taken within seven years of program application.</p>			
<u>Fall Semester-Second Year</u>			
KIN 192/281	Physical activity/wellness	1	F
BS-SS	Choose course from BS-Social Science	3	BS-SS
BS-World L/C	Choose course from BS-World Languages and Cultures	3	BS-World L/C
IPH 356	Ethics and Healthcare in a Pluralistic Society	3	WOK-M/E, EE-Diversity
HP 211	The Healthcare Delivery System and Healthcare Policy	<u>3</u>	
		13	
<u>Spring Semester-Second Year</u>			
DMS 301*	Patient Care for Imaging Sciences Professionals	2	
DMS 312*	Introduction to DMS Principles and Procedures	2	
DMS 313*	Sonographic Sectional Anatomy	2	
IPH 401	Interpersonal Perspectives on Global Health	3	EE-Global
WOK elective	Choose course from CAE, HI, or World L/C	<u>3</u>	WOK
		12	
<u>Summer Semester-Second Year</u>			
DMS 315*	Abdominal Procedures	3	
DMS 316*	Sonographic Lab Practice I	<u>3</u>	
		6	
<u>Fall Semester-Third Year</u>			
DMS 321*	Sonographic Physics and Instrumentation I	3	
DMS 323*	Obstetric Procedures	3	
DMS 324*	Gynecology Procedures	3	
DMS 326*	Sonographic Lab Practice II	2	
DMS 327*	Clinical Practice I-General (24 hours per week)	<u>3</u>	
		14	
<u>Spring Semester-Third Year</u>			
DMS 331*	Sonographic Physics and Instrumentation II	3	
DMS 332*	Small parts, Pediatric and Specialty Sonographic Exams	2	
DMS 333*	Critique, Clinical Correlation and Case Analysis	3	EE-Writing
DMS 336*	Sonographic Lab Practice III	2	
DMS 337*	Clinical Practice II-General (24 hours per week)	<u>3</u>	
		13	

Diagnostic Medical Sonography students will complete one of the following concentrations:

Diagnostic Medical Sonography, General Sonography and Vascular Specialty, B.S.

Course	Course Title	Credits	CORE 39
<u>Summer Semester-Third Year</u>			
DMS 347*	Advanced Clinical Practice (32 hours per week)	4	
DVT 398*	Introduction to Sonographic Vascular Lab	2	
DVT 401*	Introduction to Vascular Anatomy and Procedures	<u>2</u>	
		8	
<u>Fall Semester-Fourth Year</u>			
DVT 402*	Vascular Procedures I	3	
DVT 423*	Sonographic Vascular Lab Practice I	2	
DVT 426*	Clinical Practice I-Vascular (32 hours per week)	4	
Writing (EE)	Choose EE-Writing Course	<u>3</u>	EE-Writing
		12	
<u>Spring Semester-Fourth Year</u>			
DVT 421*	Vascular Procedures II	2	
DMS 436*	Sonographic Professional Advancement Seminar	3	
DVT 437*	Clinical Practice II-Vascular (24 hours per week)	3	
HI 301 OR HA 431	Choose ONE - HI 301 Health Informatics OR HA 431 Healthcare Quality	<u>3</u>	
		11	

Diagnostic Medical Sonography, General Sonography and Echocardiography Specialty, B.S.

Course	Course Title	Credits	CORE 39
<u>Summer Semester-Third Year</u>			
DMS 347*	Advanced Clinical Practice (32 hours per week)	4	
ECHO 398*	Introduction to Echocardiography Lab	2	
ECHO 401*	Introduction to Echocardiography	<u>2</u>	
		8	
<u>Fall Semester-Fourth Year</u>			
ECHO 402*	Advanced Echocardiography	3	
ECHO 423*	Echocardiography Lab Practice I	2	
ECHO 426*	Clinical Practice I-Cardiac (32 hours per week)	4	
Writing (EE)	Choose EE-Writing course	<u>3</u>	EE-Writing
		12	
<u>Spring Semester-Fourth Year</u>			
ECHO 421*	Fetal Echocardiography	2	
DMS 436*	Sonographic Professional Advancement Seminar	3	
ECHO 437*	Clinical Practice II-Cardiac (24 hours per week)	3	
HI 301 OR HA 431	Choose ONE - HI 301 Health Informatics OR HA 431 Healthcare Quality	<u>3</u>	
		11	

*ALL DMS, DVT and ECHO courses must be completed with a “C” or better to progress in the DMS program.