

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 & 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	
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.			
<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 Health Care Delivery System and Health Care 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 & 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 & 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 & 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.