

**Plan of Study for the Bachelor of Applied Science Degree in
Diagnostic Medical Sonography Technology**

COTC Program Code	DMS-BAS
COTC Major Number	
CIP Code	51.0910

PRE-ADMISSION COURSE REQUIREMENTS FOR DMSBSm program

The Diagnostic Medical Sonography BS program is a selection-based program, meaning a student must APPLY to the program and then be SELECTED into the program before being able to meet graduation requirements. The following COTC courses (or their equivalents) must be completed prior to enrolling into the Diagnostic Medical Sonography program. All courses must be completed with a grade of C (2.00) or better prior to the application deadline.

Course Name	Course Title	Course Credit Hours	Weekly Contact Hours	Tech, Non-Tech or Elective	Semester(s) Course Offered	SEM Course Approved As A TAG, C-TAG or OTM	
PROGRAM REQUISITES: ALL DMS Applicants Must be completed prior to application deadline							
*	MATH-140	College Algebra	3.00	3.00	NT	SM,AU,SP	OTM
	PHYS-105	Elementary Physics	4.00	4.00	NT	SM,AU,SP	
		TOTAL CREDIT & CONTACT HOURS	7.00	7.00			
DMS Application Deadline May 1st							
Selected students must attend DMS ORIENTATION MEETING Selected students will be required to complete BACKGROUND CHECK & DRUG SCREENING							
Fall Semester: ALL DMS Students							
*	ENGL-100	Composition I	3.00	4.00	NT	SM,AU,SP	OTM
*	PSY-100	Introduction to Psychology	3.00	3.00	NT	SM,AU,SP	---
	HLT-110	Medical Terminology	2.00	2.00	NT	SM,AU,SP	TAG
*	BIO-130	Anatomy & Physiology I	4.00	5.00	NT	SM,AU,SP	OTM
		TOTAL CREDIT & CONTACT HOURS	12.00	14.00			
Spring Semester: ALL DMS Students							
*	BIO-131	Anatomy & Physiology II	4.00	5.00	NT	SM,AU,SP	OTM
*	ENGL-101	Composition II	3.00	3.00	NT	SM,AU,SP	TAG,OTM
	SPCH-205	Public Speaking	3.00	3.00	NT	SM,AU,SP	TAG
	ELECTIVE	Non-Technical Elective / Transfer Credit	3.00	3.00	NT	SM,AU,SP	----
		TOTAL CREDIT & CONTACT HOURS	13.00	14.00			
Summer Semester: ALL DMS STUDENTS							
*	DMS-110	Cross Sectional Anatomy	2.00	3.00	NT	SM	----
	ELECTIVE	Non-Technical Elective / Transfer Credit	3.00	3.00	NT	SM,AU,SP	----
	SOC-110	Cultural Diversity	3.00	3.00	NT	SM,AU,SP	TAG,OTM
			8.00	9.00			
GENERAL STUDENTS							
	HLT-115	Human Nutrition	2.00	2.00	NT	SM, AU, SP	----
		GEN TOTAL CREDIT & CONTACT HOURS	10.00	11.00			
CARDIOVASCULAR STUDENTS							
	HLT-121	Electrophysiology	3.00	3.00	NT	SM	----
		CV TOTAL CREDIT & CONTACT HOURS	11.00	12.00			

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Autumn Semester: ALL DMS STUDENTS						
EMS-100	Basic Life Support (CPR) for the Healthcare Provider (must be taken THIS semester)	0.50	0.50	NT	SM,AU,SP	----
* DMS-315	Vascular Techniques Scan Lab	2.00	4.00	T	AU	----
* DMS-116	Current Issues in Healthcare	1.50	1.50	NT	SM	----
* DMS-102	Introduction to Sonography	2.00	2.00	T	AU	----
		6.00	8.00			
GENERAL STUDENTS						
* DMS-190	General Scan Lab I	3.00	7.00	T	AU	----
* DMS-305	Survey of Vascular	3.00	3.00	T	AU	----
	GEN TOTAL CREDIT & CONTACT HOURS	12.00	18.00			
CARDIOVASCULAR STUDENTS						
* DMS-192	Cardiovascular Scan Lab I	3.00	7.00	T	AU	----
* DMS-313	Abdominal Techniques Scan Lab	2.00	4.00	T	AU	----
* DMS-303	Survey of Abdominal	3.00	3.00	T	AU	----
	CV TOTAL CREDIT & CONTACT HOURS	14.00	22.00			
Spring Semester: ALL DMS Students						
* DMS-306	Fetal Echocardiography	3.00	3.00	T	SP	----
* DMS-314	Echo Techniques Scan Lab	2.00	4.00	T	SP	----
* DMS-304	Survey of Echocardiography	3.00	3.00	T	SP	----
* DMS-325	Vascular Techniques Scan Lab II	2.00	4.00	T	SP	----
* DMS-307	Survey of Musculoskeletal	4.00	4.00	T	SP	----
		14.00	18.00			
GENERAL STUDENTS						
* DMS-191	General Scan Lab II	3.00	7.00	T	SP	----
	GEN TOTAL CREDIT & CONTACT HOURS	17.00	25.00			
CARDIOVASCULAR STUDENTS						
* DMS-193	Cardiovascular Scan Lab II	3.00	7.00	T	SP	----
	CV TOTAL CREDIT & CONTACT HOURS	17.00	25.00			

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Summer Semester: ALL DMS Students							
*	DMS-200	Sonographic Physics & Instrumentation I	3.00	3.00	T	SM	----
*	DMS-400	Specialty Exams & Invasive Procedures Externship	2.00	2.00	T	SM	
*	DMS-240	Vascular Sonography I	3.00	3.00	T	SM	----
			8.00	8.00			
GENERAL STUDENTS							
*	DMS-210	Obstetrical & Gynecological Sonography I	3.00	3.00	T	SM	----
*	DMS-316	GYN Techniques Scan Lab	2.00	4.00	T	SM	----
*	DMS-290	General Clinical I	4.00	17.00	T	SM	----
		GEN TOTAL CREDIT & CONTACT HOURS	17.00	32.00			
CARDIOVASCULAR STUDENTS							
*	DMS-312	Abd. Vasc. Tech Scan Lab	2.00	4.00	T	SM	----
	DMS-295	Cardiovascular Clinical I	4.00	17.00	T	SM	----
*		CV TOTAL CREDIT & CONTACT HOURS	14.00	29.00			
Autumn Semester: ALL DMS Students							
*	DMS-201	Sonographic Physics & Instrumentation II	3.00	3.00	T	SP	----
			3.00	3.00			
GENERAL STUDENTS							
*	DMS-212	Obstetrical & Gynecological Sonography II	3.00	3.00	T	AU	----
*	DMS-220	Abdominal Sonography I	3.00	3.00	T	AU	----
*	DMS-335	Vascular Techniques Scan Lab III	2.00	4.00	T	AU	----
*	DMS-390	General Clinical II	6.00	26.00	T	AU	----
		GEN TOTAL CREDIT & CONTACT HOURS	17.00	39.00			
CARDIOVASCULAR STUDENTS							
*	DMS-241	Vascular Sonography II	3.00	3.00	T	AU	----
*	DMS-230	Echocardiography I	3.00	3.00	T	AU	----
*	DMS-395	Cardiovascular Clinical II	6.00	26.00	T	AU	----
		CV TOTAL CREDIT & CONTACT HOURS	15.00	35.00			
Spring Semester: ALL DMS Students							
*	DMS-250	Technical Report Writing	2.00	2.00	NT	SP	----
			2.00	2.00			
GENERAL STUDENTS							
*	DMS-221	Abdominal Sonography II	3.00	3.00	T	SP	----
*	DMS-415	Breast Sonography	2.00	2.00	T	SP	----
*	DMS-490	General Clinical III	6.00	26.00	T	SP	----
*	DMS-317	Breast Techniques Scan Lab	2.00	4.00	T	SP	----
		GEN TOTAL CREDIT & CONTACT HOURS	17.00	37.00			
CARDIOVASCULAR STUDENTS							
*	DMS-495	Cardiovascular Clinical III	6.00	26.00	T	SP	----
*	DMS-234	Echocardiography II	3.00	3.00	T	SP	----
*	DMS-411	Pediatric Echo LAB	2.00	4.00	T	SP	
*	DMS-410	Pediatric Echocardiography	4.00	4.00	T	SP	----
		CV TOTAL CREDIT & CONTACT HOURS	17.00	39.00			
Total Semester Credit Hours Required for Completion of Degree							120.00
GENERAL	<i>Non-Technical Required Semester Credit Hours</i>						46.00
	<i>Technical Required Semester Credit Hours</i>						74.00
CARDIOVASC	<i>Non-Technical Required Semester Credit Hours</i>						47.00
	<i>Technical Required Semester Credit Hours</i>						73.00

