

Program Course PATHWAY

The following sequence is the suggested pathway to complete the degree in two years. This sequence is based on satisfaction of all basic skills requirements and prerequisites and presumes a fall start date. An individual's program may vary depending on transfer institution, career objectives, or individual needs. See your academic advisor for other options and to monitor your progress.

Program Name: Diagnostic Medical Sonography

Outcome(s)	Correlation to General Education Philosophies		
1. Apply anatomy, pathology, and terminology knowledge to produce optimized diagnostic sonography images for interpretation by the radiologist or other qualified physician.	1,2,3,5,6		
2. Utilize effective written and verbal communication and interpersonal relationship skills with members of the healthcare team.	2,4,		
3. Implement safe practices in diagnostic medical sonography procedures to ensure the well-being of patients and themselves.	3,6		
4. Utilize evidence-based practice principles and skills to provide safe and effective patient care	3,4		
5. Optimize sonographic images by utilizing the functions and features of sonography equipment and sonographic physics principles.	3,5,6		
6. Analyze ethical and legal dilemmas with the ability to make decisions that consider the moral and legal implications of diagnostic sonography practice.	2,3,4		
Courses – Asterisk (*) indicates required program courses	AGEC course?	Terms	Credits

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Prerequisites			
BIO 160 or BIO 202	Y	F, SP, SU	4
			4

First Semester: Fall

DMS 110 Patient Care *	Y	F	2
ENG101	Y	F, SP, SU	3
DMS 101 Introduction to Sonography *	N	F	2
COM 121	Y	F, SP, SU	3

DMS 121 Sonographic Physics and Instrumentation I w/lab* 8 weeks	N	F	3 (2+1)
			13

Second Semester: Spring

MAT 101 or higher	N	F, SP, SU	3-4
DMS 130 Abdominal Sonography w/lab* 8 weeks	N	SP	3 (2+1)
DMS 135 Small Parts and Superficial Structures w/lab* 8 weeks	N	SP	3
DMS 221 Sonographic Physics and Instrumentation II *	N	SP	3 (2+1)
			12-13

Third Semester: Summer

DMS 150 Vascular sonography w/lab*	N	Su	3 (2+1)
DMS 140 Obstetrical and Gynecological Sonography w/lab*	N	Su	3 (2+1)
			6

Fourth Semester: Fall

PSY 121	Y	F, SP, SU	3
DMS 210 Sonographic Pathophysiology and Cross-sectional Anatomy *	N	F	3
DMS 230 Clinical I (270 hours) * 8 weeks	N	F	6 (1:45 clock hours)
			12

Fifth Semester: Spring

DMS 240 Clinical II (495 hours) *	N	Sp	11 (1:45)
DMS 250 Sonography as a Profession I *	N	Sp	1
			12

Sixth Semester: *Summer 12-week schedule similar to Rad Tech*

DMS 260 Clinical III (360hours) *	N	Su	8 (1:45 clock hours)
DMS 270 Sonography as a Profession II	N	Su	1
			9

Key:

SP= Spring

F= Fall

SU= Summer

1. Aesthetic Sensibilities: An awareness of creative expression in the world around us.
2. Communication Skills: The ability to effectively convey meaning through various media on both personal and professional levels.
3. Critical Thinking Skills and Problem-Solving: The ability to analyze data and arrive at logical and defensible conclusions.
4. Cultural Diversity and Global Awareness: An appreciation of relationships and differences in values, customs, and norms of diverse global communities.
5. Techniques of Inquiry: Use of standardized methodological framework to collect, analyze, interpret, and present findings.
6. Technological Competency: A proficiency in evolving technology to compete and flourish in society.