

DMS Program Learning Outcomes

To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the
Abdominal sonography - Extended and Obstetrics and gynecology sonography concentrations

Overarching Program Learning Outcomes	Objectives		
Outcome 1: Cognitive Domain (knowledge) Analyze sonographic principles, anatomy, pathology, and clinical correlations to make informed decisions in diverse diagnostic scenarios.	LO 1-A: Evaluate sonographic images by correlating anatomical structures with pathological findings to differentiate normal from abnormal conditions across multiple body systems.	LO 1-B: Synthesize sonographic findings with patient history, laboratory results, and supporting clinical information to formulate comprehensive preliminary interpretations.	LO 1-C: Adapt sonographic protocols and procedures based on patient condition, age, and clinical presentation to optimize diagnostic outcomes.
Outcome 2: Psychomotor Domain (skills) Apply advanced sonographic techniques and equipment operation to produce diagnostic examinations across various anatomical regions.	LO 2-A: Demonstrate proficiency in operating various sonographic equipment and technologies to produce diagnostic-quality images across multiple anatomical regions.	LO 2-B: Apply advanced scanning techniques that accommodate diverse patient populations while maintaining proper ergonomic practices during all sonographic procedures.	LO 2-C: Troubleshoot technical errors and artifacts through equipment adjustments and modified scanning approaches to ensure optimal image acquisition.
Outcome 3: Affective Domain (Behavior) Demonstrate patient-centered care through ethical conduct, effective communication, and professional responsibility in diverse healthcare settings.	LO 3-A: Apply ethical and legal standards of sonographic practice while integrating professional values into decision-making processes in all clinical situations.	LO 3-B: Demonstrate effective oral and written communication skills with patients, families, and healthcare professionals while displaying empathy and cultural sensitivity for diverse populations.	LO 3-C: Collaborate effectively with interdisciplinary healthcare team members to provide comprehensive patient care, resolve conflicts constructively, and ensure optimal diagnostic outcomes.