

## Diagnostic Medical Sonography Program Learning Outcomes

PLO	Outcome
1. Anatomy, Perfusion, and Function	At the end of the program, students will be able to assess the physical characteristics, perfusion, and function of anatomic structures.
2. Pathology, Vascular Abnormalities, Trauma, and Postoperative Anatomy	At the end of the program, students will be able to assess anatomic structures for pathology, postoperative anatomy, vascular abnormalities, and trauma-related abnormalities correctly.
3. Abdominal Physics	At the end of the program, students will be able to apply concepts of equipment/image optimization, and imaging artifacts accurately.
4. Clinical Care, Practice, and Quality Assurance	At the end of the program, students will be able to incorporate professional judgment, clinical data, ethical standards and guidelines during performed studies and obtain accurate measurements and provide assistance/support during procedures.
5. Apply the Physics of Ultrasound	At the end of the program, the student will be able to identify properties of ultrasound waveforms, recognize artifacts, optimize resolution, optimize frame rate, optimize spectral Doppler waveforms, optimize color Doppler, optimize 2D image, optimize 3D image, and optimize contrast image.