

Diagnostic Medical Sonography Program Goals, Objectives and Outcomes

Diagnostic Medical Sonography Program Goals

The Diagnostic Medical Sonography Program's goals are to:

- Prepare competent entry-level general sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domain (General Concentration)
- Prepare competent entry-level adult cardiac sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains (Adult Cardiac Concentration).

Diagnostic Medical Sonography Program Objectives and Outcomes

Upon completion of the Diagnostic Medical Sonography Program, the candidate will be expected to:

- Demonstrate a working knowledge of hospital functions in general, and the ultrasound department in particular, to include: basic skills, emergency care, patient-technologist relationships, and professionalism.
- Describe and utilize routine procedures performed in Diagnostic Medical Sonography.
- Demonstrate proficiency and fluency in the use of medical terminology, especially those pertaining to ultrasound.
- Be skilled in the operation of ultrasound instrumentation and laboratory equipment under guidance from professional staff.
- Be capable of scheduling and performing the daily workload of OB/GYN, abdominal, small parts or cardiac, to include Doppler procedures/examinations.
- Evaluate new procedures where necessary.
- Distinguish between normal and abnormal sonographic appearance of different anatomical structures.
- Create high quality diagnostic scans.
- Identify and understand important features of disease processes including: Pathophysiology, signs and symptoms, significant laboratory data, diagnostic techniques, prognosis, and treatment.
- Demonstrate an understanding of the humanistic and ethical considerations of medical care.
- Demonstrate the ability to maintain quality control of the ultrasound equipment.

- Be familiar with the biological effects of ultrasound and be aware of the acoustic output levels produced by the equipment they use.
- Demonstrate the ability to explain Doppler principles and techniques, especially those pertaining to peripheral arterial and venous systems or of the heart.
- Have the necessary knowledge and skills to achieve success on the American Registry of Diagnostic Medical Sonography examinations.
- Be successful in a career as a Registered Diagnostic Medical Sonographer or Registered Diagnostic Cardiac Sonographer.
- Demonstrate the ability to follow Occupational Safety and Health Administration (OSHA) standards in clinical practice.
- Maintain CPR certification during the clinical component of the student's education.
- Demonstrate professional integrity, honesty, dependability, respect for self and others, compassion, and an ability to protect patient confidentiality and trust at all times.
- Demonstrate commitment to the ideals of life-long learning, professional excellence, teamwork, and tolerance for diversity and community service.
- Recognize and comply with the accepted standards within the Health Insurance Portability and Accountability (HIPAA) Act.