

## **HINDS COMMUNITY COLLEGE DIAGNOSTIC MEDICAL SONOGRAPHY STUDENT LEARNING GOALS**

The student goals for the Diagnostic Medical Sonography Program are as follows: To prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the following concentration(s) it offers: Abdominal sonography – Extended and Obstetrics and gynecology sonography. Students will be clinically competent and develop the ability to function as an entry level diagnostic medical sonographer.

**Cognitive:** Students will demonstrate skills in critical thinking.

Students will demonstrate appropriate medical and patient care knowledge to function in the health care setting.

Students will accurately assess and interpret data from patient medical records.

Students will adjust technical factors to achieve ALARA principles during sonographic examinations.

**Psychomotor:** Students will demonstrate the skills of a competent entry-level sonographer.

Students will effectively perform assigned clinical competencies.

Students will possess the skills necessary to perform patient assessment and care.

Students will properly adjust technical factors to meet the needs of individual sonographic examination.

**Affective:** The students will communicate effectively.

Students will demonstrate effective oral and written communication within a healthcare setting.

Students will demonstrate ethical and professional behavior and maintain the values of a professional sonographer.

Students will demonstrate dependability and responsibility.

**The student learning goals/outcomes for the Diagnostic Medical Sonography Program are as follows:**

<b>Outcomes</b>	<b>Assessment Tool</b>	<b>Benchmark</b>	<b>Date of Assessment</b>	<b>Responsible Party</b>
Students will be able to analyze and evaluate patient conditions to adjust machine parameters in order to perform abdominal sonography exams according to set clinical protocols demonstrate critical thinking skills	Critical Thinking scores from institutional rubrics. Evaluation of Scanning Procedures and Scanning Ability skills on a Complete Abdominal Exam (Simulation: volunteer scan DMS Scan Lab)) from Student Final Exam DMS 1114 Introduction to Ultrasound	70% of student scores will be 2 or greater on institutional rubrics for Critical Thinking Skills	Fall semester	Course Instructor
Students will be able to use media, language skills, and poise to effectively present clinical case studies to an assigned audience to demonstrate oral communication skills	Oral Communication scores from institutional rubrics. DMS 1524 Obstetric and Gynecological Sonography. Oral Presentation of Obstetric case study and research paper.	70% of student scores will be 2 or greater on institutional rubric for Oral Communication.	Spring semester	Course Instructor
Students will be able to use clear and concise language to convey a logical argument in a research paper that is written with appropriate use of structure, information and analysis to demonstrate written communication skills	Written Communication scores from institutional rubrics. DMS 1524 Obstetric and Gynecological Sonography. Written research paper on Obstetric topic.	70% of student scores will be 2 or greater on institutional rubrics for Written Communication.	Spring Semester	Course Instructor
Students will be able to use ultrasound machines and protocols to perform a complete abdominal sonography exam to demonstrate use of technology within their field of study	Use of technology in field of study scores from institutional rubrics. DMS 1435 Clinical Experience III. Clinical Professional Evaluation Assessment sheets.	70% of student scores will be 2 or greater on institutional rubrics for Use of Technology.	Summer semester	Clinical Instructor
Students will be able to demonstrate proper use of diagnostic sonography equipment	Evaluation of Scanning Procedures and Scanning Ability skills from Clinical Performance Evaluation Form, last rotation, Summer Semester. Average of all students	100% of the students will score 85% or higher	Summer semester	Program Director
Students will be able to adapt technical factors to for body habitus and pathology to demonstrate competency and safe practice of all general sonographic procedures	Evaluation of Compliance, direction, patient assessment, communication and sonography exam preparedness skills from Clinical Performance Evaluation Form, last rotation Spring Semester Average of all students	100% of the students will score 85% or higher	Summer semester	Program Director
Students will complete all required check-offs for program	Evaluation of Student Exam Completion Matrix turned in at the end of the Summer Semester	100% of the students will complete all required exams by deadline set during Clinical III	Summer semester	Program Director
Graduates will be positively placed in field of Diagnostic medical Sonography	DMS Job Placement Rates Perkins indicator	At least 90% of the DMS graduates will be employed in the field of sonography within 3 months of graduation	6 Months Post Graduation	Program Director
Graduates will be satisfied with the education and clinical experience gained in the diagnostic sonography program	DMS Graduate Survey	70% of graduates will be satisfied with educational and clinical experiences in DMS program	6 Months Post Graduation	Program Director

