



Health & Human Services Division  
Lansing Community College  
selective\_admissions@star.lcc.edu  
Phone: (517) 483-1410

# Technical Skills Essential for the Field: Ultrasound Diagnostic Medical Sonography (DMS)

## Physical, Mental, & Cognitive Requirements

In keeping with its mission and goals, and in compliance with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act, Lansing Community College promotes an environment of respect and support for persons with disabilities and will make reasonable accommodations. The definition of individuals with disabilities are those who currently have, have a record of having, or are regarded as having a physical or mental impairment that substantially limits one or more major life activity. Major life activities include caring for oneself, performing manual tasks, walking, seeing, hearing, breathing, and working.

In order to fulfill the requirements of the Diagnostic Medical Sonography program at Lansing Community College, students must be able to meet the physical demands associated with the profession. Listed below are physical demands, mental demands, and requirements identified for students in the Diagnostic Medical Sonography Program. Read each requirement and respond that you meet the standard 100% or are unable to fully meet the standard by signing your initials in the appropriate column.

If for any reason you are unable to meet 100% of the standard, you will need to schedule an appointment with the Center of Student Access to discuss your situation. For questions regarding these requirements, please contact the Program Director at 517-483-1412.

**Diagnostic Medical Sonography is considered a strenuous profession. In order to perform the duties of this profession, the student must meet the following requirements:**

<b>REQUIREMENTS</b>	<b>ABLE TO MEET STANDARD 100%</b>	<b>UNABLE TO MEET STANDARD</b>
Must be able to stand and walk for 80% of clinical time.		
Must be able to assist, lift, and position patients for at least 50% of the clinical time.		
Has the verbal and written skills sufficient to respond promptly in communications with patients, co-workers, and physicians.		
Has sufficient sight to observe the condition of the patient, to adequately view sonograms, and to distinguish different colors.		
Has verbal skill to instruct the patient while performing the duties of a Sonographer.		
Has sufficient hearing to respond to patient needs and to interact with the patient, to hear instructions in a variety of situations, such as in a trauma room in the emergency room and in surgery, where the person may be facing away from you or be wearing a surgical mask. Has the ability to distinguish audible sounds of the equipment, such as Doppler.		
Has an intellectual and emotional skill to exercise discretion.		
Ability to interact compassionately and effectively with the sick or injured.		
Has the cognitive ability to perceive environmental threats and stresses dealing with them appropriately. Continues to function safely and effectively during high stress periods.		
Protect self and others from hazards in the health care environment, such hazards as infectious disease, contaminated equipment, sharps (particularly needles), chemical fumes and radiation.		
Exhibits professional behaviors to meet required professional standards such as attendance, punctuality, and appropriate interpersonal skills.		
Have organizational skills to follow protocols of sonographic procedures in the proper sequence.		

<b>REQUIREMENTS</b>	<b>ABLE TO MEET STANDARD 100%</b>	<b>UNABLE TO MEET STANDARD</b>
<p>Has sufficient motor skill to be able to respond to medical emergencies and to manipulate the equipment. These motor skills may include, but are not limited to the following:</p> <p>A. Has full use of hands, wrists, and shoulders. Extend the hands and arms in any direction often reaching 3-4 feet above the head. Seize, hold, grasp, turn and otherwise work with both hands. Pick, pinch, twist or otherwise work with wrists and fingers of both hands.</p>		
<p>B. Move the hand and foot coordinately with each other in accordance with visual stimuli.</p>		
<p>C. Bend and stoop routinely.</p>		
<p>D. Perform frequent lifting, carrying, pulling, and pushing of objects weighing 50 lbs or more, such as wheel chairs, patient stretchers, and ultrasound equipment.</p>		
<p>E. Lift and transfer patients to and from the examination table safely, without injury to patient, self or other health care workers.</p>		
<p>F. Ability to maintain prolonged arm positions necessary for scanning.</p>		

**REFERENCES:** Technical Standards of Sonographers and Vascular Technologists from SDMS  
<http://www.sdms.org/career/career.asp>

The Federal American's with Disabilities Act (ADA) bans discrimination of persons with disabilities. In keeping with this law, Lansing Community College makes every effort to ensure quality education for all students.

**DISCLAIMER** The above statement of criteria is not intended as a complete listing of behaviors required for the Diagnostic Medical Sonography Program, but is a sampling of the types of abilities required by the student to meet program objectives and requirements. The Diagnostic Medical Sonography Program or its affiliated agencies may identify additional critical behaviors or abilities needed by students to meet program or agency requirements. The Diagnostic Medical Sonography Program reserves the right to amend this listing based on the identifications of additional standards or criteria for Diagnostic Medical Sonography students.

## Student Acknowledgement

I have read and understand the Student Physical Demands Requirements required for the successful completion of the program.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Printed Name

## Non-Discrimination Statement

Lansing Community College is committed to providing equal employment opportunities and equal education for all persons regardless of race, color, sex, age, religion, national origin, creed, ancestry, height, weight, sexual orientation, gender identity, gender expression, disability, familial status, marital status, military status, veteran's status, or other status as protected by law, or genetic information that is unrelated to the person's ability to perform the duties of a particular job or position or that is unrelated to the person's ability to participate in educational programs, courses, services or activities offered by the college.

The following individuals have been designated to handle inquiries regarding the nondiscrimination policies: Equal Opportunity Officer, Washington Court Place, 309 N. Washington Square Lansing, MI 48933, 517-483-1730; Employee Coordinator 504/ADA, Administration Building, 610 N. Capitol Ave. Lansing, MI 48933, 517-483-1875; Student Coordinator 504/ADA, Gannon Building, 411 N. Grand Ave. Lansing, MI 48933, 517-483-1885; Sarah Velez, Human Resource Manager/Title IX Coordinator, Administration Building, 610 N. Capitol Ave. Lansing, MI 48933, 517-483-1874; Christine Thompson, Student Title IX Coordinator, Gannon Building, 411 N. Grand Ave. Lansing, MI 48933, 517-483-1261.