



**Diagnostic Medical Sonography**  
George Campus, Wilmington, DE

***Cardiovascular Sonography Program (CVS)***  
***Diagnostic Medical Sonography Program (DMS)***

**Technical Standards**

Listed below are the Technical Standards identified for students in Diagnostic Medical Sonography (CVS and DMS). These Technical Standards mirror the Essential Functions of employees in this profession. They will be required of program students as designated below, with or without accommodations.

Read each standard 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 you choose less than 100% for any technical standard you will need to schedule an appointment with the Diagnostic Medical Sonography Program Department Chair to discuss your situation.

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

<b>TECHNICAL STANDARD</b>	<b>ABLE TO MEET STANDARD 100%</b>	<b>UNABLE TO MEET STANDARD</b>
Be able to stand and walk for 80% of clinical time.		
Be able to assist, lift, and position patients for at least 50% of the clinical times.		
Have the verbal and written skills sufficient to respond promptly in communications with patients, co-workers, and physicians.		
Have sufficient sight to observe the condition of the patient, to adequately view sonograms, and to distinguish different colors.		
Have verbal skill to instruct the patient while performing the duties of a sonographer/technologist.		
Have sufficient hearing to respond to patient needs and to interact with the patient, as well as respond to the audible sounds of the equipment / Doppler.		
Have 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:		
A. Have full use of both 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.		
B. Move the hand and foot coordinately with each other in accordance with visual stimuli.		
C. Bend and stoop routinely.		
D. Perform frequent lifting, carrying, pulling, and pushing of objects weighing 50 lbs. or more.		
E. Lift and transfer patients to and from the examination table safely, without injury to patient, self or other health care workers.		
Have intellectual and emotional skills to exercise discretion.		
Have the cognitive ability to perceive environmental threats and stresses dealing with them appropriately. Continue 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.		
Have sufficient 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.		

References: Christiana Care Health System Physical Demands for the Radiology Department.  
 Dictionary of Occupation Titles from [www.occupationalinfo.org](http://www.occupationalinfo.org)  
 Technical Standards of Sonographers and Vascular Technologists from SDMS  
[www.sdms.org/career/career.asp](http://www.sdms.org/career/career.asp)

If you have any questions or wish to discuss further the Technical Standards required of program students, please contact the DMS Program Department Chair at (302) 320-4548.

The Federal Americans with Disabilities Act (ADA) bans discrimination of persons with disabilities. In keeping with this law, Delaware Tech makes every effort to ensure quality education for all students. However, we feel obligated to inform students of the technical standards/essential functions demanded by the profession.

If reasonable accommodations are necessary, it is the responsibility of the student to notify his/her counselor and the DMS Program Department Chair.

I have read and understand the Technical Standards required for the successful completion of this program.

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

\_\_\_\_\_  
 Date

**700-**

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

\_\_\_\_\_  
 Student ID #

**DISCLAIMER**

The above statement of criteria is not intended as a complete listing of behaviors required for Diagnostic Medical Sonography (CVS and DMS), but is a sampling of the types of abilities required by the student to meet program objectives and requirements. The CVS and DMS programs or their affiliated agencies may identify additional critical behaviors or abilities needed by students to meet program or agency requirements. The CVS and DMS programs reserve the right to amend this listing based on the identifications of additional standards or criteria for sonographic technology students. The ability to handle the stresses of a heavy academic schedule and clinical rotations is particularly important.