

**TULSA COMMUNITY COLLEGE  
DIAGNOSTIC MEDICAL SONOGRAPHY**

**CLINICAL/ACADEMIC STANDARDS**

The Diagnostic Medical Sonography Program at Tulsa Community College complies with the 2008 Americans with Disabilities Act (ADA). Any student requiring special accommodations or classroom modifications should see the Education Access Center at Tulsa Community College

Diagnostic Medical Sonography involves the provision of direct care for individuals and is characterized by the application of knowledge in the skillful performance of patient care functions in the diagnostic medical sonography lab and clinical sites. Therefore, in order to successfully complete the clinical and laboratory requirements, all students must possess certain characteristics. The purpose of this section is to provide the student/applicant an understanding of the physical demands and communication skills required for the program based on tasks performed by Diagnostic Medical Sonographers working in the field.

The common work environment for a Diagnostic Medical Sonographer and for a student studying for the same profession would include the following:

1. Constant contact and communication with patients, the public and other members of the healthcare team.
2. Making decisions based on patient care based on assessment of the patient.
3. Moving and manipulating heavy equipment and patients.
4. Frequent and timely operation of computers and telephones.
5. Moving patients for such activities as moving a patient in a stretcher or wheel chair, and assisting in the lifting of patients, for example, moving a patient in the bed or moving from a stretcher to a bed or the DMS lab patient table.
6. Exposure to pathogens through bodily fluids, secretions, mucous, and blood.

An applicant/student must possess:

1. Sufficient visual acuity such as is needed for the observation required for patient assessment including visualizing patient monitors, response to therapy and care, and to assist the clinician in handling very small needles, guide wires and other equipment.
2. Sufficient auditory perception to receive verbal communication from patients and members of the health care team who often are wearing face masks and to assess health needs of patients through the use of monitoring devices such as cardiac monitors, various alarms, stethoscopes, fire alarms, life support equipment, etc.
3. Sufficient gross and fine motor coordination to respond promptly and implement the skills, including the manipulation of tools and equipment required in scanning patients for diagnostic medical sonography examinations.

4. Sufficient communication skills (speech, reading, writing) to interact with individuals and communicate their needs promptly and effectively as may be necessary in the individual's interest.
5. Sufficient intellectual and emotional function to plan and implement care for individuals including the ability to demonstrate emotional stability to function effectively under stress and the ability to adapt to a changing, unpredictable environment.

THE NEXT PAGES CONTAIN A TABLE THAT LISTS THE TECHNICAL AND ACADEMIC STANDARDS FOR THE PROGRAM

Please read, complete and sign the form at the end of the table.

<b>Standard</b>	<b>Ability</b>	<b>Examples of Necessary Activities</b>
Critical thinking ability sufficient for classroom, DMS Lab and clinical judgment.	Critical Thinking	<ul style="list-style-type: none"> <li>-Exhibit openness to contradictory ideas,</li> <li>-assess issues raised by contradictory ideas and justify solutions and determine effectiveness of applied solutions.</li> </ul>
<p>Problem solving to make adjustments in imaging</p> <p>Problem solving adjustments in imaging based on multiple factors</p>	Problem Solving	
Interpersonal abilities sufficient enough to appropriately interact with individuals, families, and groups from a variety of social, emotional, cultural, and intellectual backgrounds.	Interpersonal	<ul style="list-style-type: none"> <li>-Communicates appropriately and effectively at all times with patients, families, staff, sonographers and clinicians in the clinical setting.</li> <li>-Interacts compassionately and effectively with the sick or injured</li> </ul>
Communication abilities sufficient for appropriate interactions with others in written and verbal form	Communication	<ul style="list-style-type: none"> <li>-Explain procedures, give directions, answer questions while performing procedures;</li> <li>-communicate effectively with physicians, patients, visitors, and other healthcare professionals</li> </ul>
Physical Abilities sufficient to maneuver in small areas and to maneuver equipment	Motor Skills	<ul style="list-style-type: none"> <li>- Move around patients' rooms and work areas with equipment.</li> <li>-Assist patients on and off of examination tables</li> <li>- Administer CPR.</li> <li>-Lift more than 50 pounds routinely</li> <li>-Push, pull, bend, stoop routinely.</li> <li>-Work standing on your feet 80% of the time</li> <li>-Have full use of both hands,</li> </ul>

		wrists, and shoulders
Visual ability sufficient for observation, assessment and implementation of patient care and monitoring procedures.	Visual	-Distinguish gray scale -Distinguish colors
Auditory ability sufficient to monitor and assess patient health needs.	Auditory	-Distinguish audible sounds - Hear monitor alarms; equipment audible signals, voices under protective garb; -Hear calls for help.
Ability to maintain professional appearance and to implement measures to maintain own health	Self-Care	-Implement standard precautions -Follow established procedures for personal hygiene. - demonstrating a preventative approach to stress management

**Physical Requirements:**

- Constant walking, standing, bending, stretching for long periods of time
- Moving of patients and ultrasound machines
- Seeing, hearing, talking, public contact, and decision- making
- Frequent operation of ultrasound machines and computers in a darkened environment
- pushing stretchers and wheelchairs, moving patients, lifting patients, reading, handling, reaching, grasping
- Lifting more than 50 pounds
- feeling exposure to stressful situations and concentration
- Occasional operation of office machines, lifting more than 50 lbs.
- Exposure to trauma, grief.

## **STUDENT DECLARATION OF MEETING TECHNICAL STANDARDS FOR ADMISSION TO THE DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM**

I have reviewed and understand the Technical Standards minimum qualifications necessary to perform the essential functions of a Diagnostic Medical Sonographer. I will return this form to the faculty.

### **Critical Thinking:**

I am capable of meeting these requirements.  I am not capable of meeting these requirements.\*

I am capable of meeting these requirements with the following accommodations.\*

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### **Problem Solving:**

I am capable of meeting these requirements.  I am not capable of meeting these requirements.\*

I am capable of meeting these requirements with the following accommodations.\*

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### **Interpersonal:**

I am capable of meeting these requirements.  I am not capable of meeting these requirements.\*

I am capable of meeting these requirements with the following accommodations.\*

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### **Communication:**

I am capable of meeting these requirements.  I am not capable of meeting these requirements.\*

I am capable of meeting these requirements with the following accommodations.\*

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### **Mobility:**

I am capable of meeting these requirements.  I am not capable of meeting these requirements.\*

I am capable of meeting these requirements with the following accommodations.\*

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**Motor Skills:**

\_\_\_\_ I am capable of meeting these requirements. \_\_\_\_ I am not capable of meeting these requirements.\*

\_\_\_\_ I am capable of meeting these requirements with the following accommodations.\*

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**Visual:**

\_\_\_\_ I am capable of meeting these requirements. \_\_\_\_ I am not capable of meeting these requirements.\*

\_\_\_\_ I am capable of meeting these requirements with the following accommodations.\*

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**Auditory:**

\_\_\_\_ I am capable of meeting these requirements. \_\_\_\_ I am not capable of meeting these requirements.\*

\_\_\_\_ I am capable of meeting these requirements with the following accommodations.\*

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**Self Help:**

\_\_\_\_ I am capable of meeting these requirements. \_\_\_\_ I am not capable of meeting these requirements.\*

\_\_\_\_ I am capable of meeting these requirements with the following accommodations.\*

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\* Indicates awareness of applicant to make an appointment with the Educational Access Center by contacting: (918) 595-7115 or by email at eac@tulsacc.edu. and delivering this form for determination of reasonable accommodations.

I, the undersigned, do hereby testify that I have read and understand the Technical Standards for Admission to the Diagnostic Medical Sonography Program and the above statements, as indicated, are true. **By completing the DMS application, you verify that you can perform all of these functions, with or without reasonable accommodations.**

\_\_\_\_\_  
Print Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

Daytime telephone number \_\_\_\_\_

TCC Email Address \_\_\_\_\_