



DIAGNOSTIC MEDICAL SONOGRAPHY PROGRAM DETAILS

Program Mission

The mission of the Diagnostic Medical Sonography Programs is to provide the highest quality of education to diagnostic imaging students through formal didactic, state-of-the-art lab experiences and clinical experiences that prepare students to be diagnostic medical sonographers who are dedicated to patient care, are critical thinkers, and are committed to lifelong learning.

Program Vision

We shall be the premier educational program in Diagnostic Medical Sonography by providing innovative curricular and clinical experience to the districts we serve.

Program Goals

It is the goal of the DMS Program to prepare competent entry-level sonographers in the cognitive (knowledge), psychomotor (skills), and affective (behavior) learning domains for the Adult Cardiac concentration. The DMS Program graduates of the Adult Cardiac concentration are prepared for and can apply to take certification examinations for the following: Adult Echocardiography and Sonography Principles and Instrumentation (SPI) examination and Adult Echocardiography (AE) examination through the Association of Registered Diagnostic Medical Sonographers (ARDMS) and Registered Cardiac Sonographer (RCS) examination through Cardiovascular Credentialing International (CCI).

See requirements/prerequisites for each examination for the Adult Cardiac program below.

ARDMS Sonography Principles & Instrumentation (SPI) Examination:

Education: Successful completion of a general, medical or sonographic physics class/seminar/course.

Documentation Required with Application: A transcript reflecting successful completion of a graded general, medical or sonographic college, post-secondary or higher education physics class (with a grade of C or above)

<https://www.ardms.org/wp-content/uploads/pdf/ARDMS-General-Prerequisites-ARDMS-Physician-Call-Out-2.pdf>

ARDMS Adult Echocardiography (AE) examination:

Student can apply via **Prerequisite 2 Pathway**

<https://www.nwtc.edu/getmedia/5bfb2688-74b8-4924-98b5-5eb96e170b5a/Echo-Program-Missions-and-Goals.pdf>

CCI Registered Cardiac Sonographer (RCS)

Student can apply via **RCS4 Qualification Pathway**

Education & Clinical Experience: Applicant must be a graduate of a programmatically accredited program** in cardiac ultrasound (echocardiography).

RCS4 Supporting Documentation: Completion certificate and/or educational transcript and Student Verification Letter

Students applying to take examination prior to graduation will be required to submit this documentation.

<https://cci-online.org/credentials/registered-cardiac-sonographer/>

**Program Objectives**

Upon completion of the Diagnostic Medical Sonography Program the graduate will be able to perform the technical standards of a Diagnostic Medical Sonographer as indicated below and by the Society of Diagnostic Medical Sonography.

Cognitive:

- Obtain, review, and integrate pertinent patient data to facilitate optimal diagnostic results.
- Demonstrate critical thinking skills during the performance of sonographic procedures to provide optimal diagnostic services.

Psychomotor:

- Perform sonographic procedures appropriately and accurately recording all anatomic and physiologic information for interpretation by a physician.
- Document and present complete and accurate sonographic findings to the interpreting physician in order to facilitate patient diagnosis.
- Maintain optimal function of the sonographic equipment.

Affective:

- Demonstrate effective communication skills with patients and all members of the healthcare team.
- Provide compassionate patient care and education to promote overall well-being.
- Act in a professional manner within recognized sonographer's code of ethical and legal standards.