



DIPLOMA IN DIAGNOSTIC MEDICAL SONOGRAPHER (DMS)

Program Description

A diagnostic technique ideally used for medical imaging procedures is Diagnostic Medical Sonography (DMS), also known as ultrasound. It is an effective tool that can provide a great deal of information regarding the human body. DMS is performed with the help of a specialized scanner known as a transducer, which is linked to an ultrasound machine. After being attached to the skin, the transducer emits high-frequency sound waves that are transmitted into the human body. Organs, body fluids, and various tissue densities all reflect these ultrasound waves back to the transducer. Sound waves emitted from the transducer are then converted into images displayed on the ultrasound machine's screen.

These ultrasound images are useful for diagnosing and treating a wide range of diseases. It also helps in observing and visualizing the fetus's condition and behavior while it is inside the mother's womb. As a result, ultrasound has become the most widely used imaging modality in medical advances, and its use will only expand in the future. Our well-crafted DMS Training Program provides a detailed explanation of the actual working of DMS.

Program Details

Course Duration

18 Months

Quarter Credit Hours

53

Program Curriculum

- **Technical Courses 53 Quarter Credit Hours**

Program Learning Outcomes

The Stellar Career College diagnostic medical sonographers programs Indiana aim to train you with basic and fundamental knowledge of performing ultrasounds by understanding the actual functionality of transducer and an ultrasound machine. In addition, our diploma in diagnostic medical sonographer also offers a real-world extensive clinical experience.

The students of diagnostic medical sonography program will be able to:

1. Learn how to use/operate the machine.
2. Learn how to enter patients' data and information.
3. Learn how to adjust/modify the depth measurement.
4. Learn how to change/adjust the frequency.
5. Learn how to show indicator orientation.
6. Learn how to save images or photographs.
7. Learn how to create objective criteria.
8. Learn how to position the patient for testing purposes properly.
9. Learn the fundamentals of accreditation bodies.
10. Learn about the ultrasound quality Control Standards (QC).

Program Career Opportunity

Our diagnostic medical sonographer diploma prepares students for entry into the healthcare workforce and opens an array of career opportunities within the medicare sector.

The potential job possibilities for graduates of diploma in diagnostic medical sonographer Indiana include, but are not limited to, the following:

- Ultrasound Technologist
- Medical Instrument Technician (Echocardiography)
- Rad Tech - Cardiac Sonographer
- Cardiac Sonographer
- Registered Vascular Technologist
- Breast Sonographer
- Perinatal Sonographer
- Advanced Imaging - Ultrasound Tech Assistant

Program Completion

Students who successfully accomplish all required courses in accordance with the college's Satisfactory Academic Requirements and meet their financial obligations toward the college will receive a diploma.

Students must satisfy the following requirements in order to be eligible to challenge the national certification exam in Diagnostic Medical Sonography (DMS) through ARRT:

- Must complete Stellar Career College's ARRT-accredited Sonography educational Program.
- Must show competence in the program's clinical requirements as well as formal classroom instruction (didactic coursework).

ARRT Obligations

ARRT upholds high ethical and professional standards. Students must follow the ARRT Standards of Ethics, which include the Rules of Ethics. Any ethics violations must be reported to ARRT within a 30-day period of their occurrence. Applicants who fail to comply with these rules risk losing their eligibility. So many sorts of misconduct, accusations, charges, and convictions can surely violate ARRT's Rules of Ethics.

Please refer to the ARRT handbook, which is available at arrt.org, for more information about this matter.

Program Format

The College will deliver this training program through a hybrid format of instructions. Didactic courses will be taught by using online and virtual technologies, whereas laboratory courses will be delivered using virtual technologies and/or on-site formats. Students will complete requisite clinical hours as well as competencies at their respective clinical locations.