



DIPLOMA IN MAGNETIC RESONANCE IMAGING (MRI) TECHNOLOGIST

Program Description

A diagnostic technique used in medical imaging procedures is known as Magnetic Resonance Imaging (MRI). It is the most effective yet authentic tool that can provide a great deal of information regarding the human body. A device known as an MRI machine is used to perform MRIs. The MRI suit is made up of a computer station and a patient table that slides into the MRI machine's large or spacious cylinder. A magnet inside the cylinder produces a strong magnetic field when it is operated. It is possible to take images inside the human body using a magnetic field as well as radio waves. This procedure is especially useful for collecting images of soft tissue, such as organs and muscles, which are invisible on x-rays.

The MRI Program provides a comprehensive explanation of how exactly MRI functions. This course provides students with a basic introduction to MR imaging in addition to a general overview of the didactic and clinical externship requirements for certification.

Program Details

Course Duration

20 Months

Quarter Credit Hours

53

Program Curriculum

- **Technical Courses** 53 Quarter Credit Hours

Program Learning Outcomes

Students enrolled in our magnetic resonance imaging technology diploma will be able to:

1. Learn effective communication, problem-solving, and critical thinking skills.

2. Exhibit behavior that adheres to the allied health profession's professional, ethical, and also legal standards.
3. Learn the 3 P's (Processes, Procedures, and Protocols) for patient care and also the safety and well-being of health professionals.
4. Learn the fundamental Quality Control (QC) processes, procedures, and techniques used in MRI technology.
5. Demonstrate skills & competency related to MRI technology.
6. Learn the hardware components & mechanisms of the MR system,
7. Learn the processes or methodologies that produce and detect MR signals.
8. Learn how to conceptualize and explain spatial localization and the formation of MR images.
9. Learn proper magnetism with reasonable ease and the ability to apply the principle of pulse sequences for relevant clinical applications in MRI technology.
10. Learn how to use the imaging parameters and options available for the user to achieve the best MR imaging results.
11. Recognize the tissue parameters that influence tissue contrast in MR imaging.
12. Also, learn the clinical, technical, and ethical skills required for entry-level positions in the MRI imaging field.

Corsmed Educational Platform and MRI Simulator Access

Stellar Career College is partner of Corsmed; The leading MRI simulator for education, training and research. A virtual MRI scanner on your laptop – anytime and anywhere. Therefore our MRI Technologist Training program now provides access to the Corsmed Educational Platform and MRI simulator. With Corsmed, students can get hands-on MRI practice and training at any time in a safe setting. The fully-featured MRI simulation software runs on any laptop – www.corsmed.com

Program Career Opportunity

The Stellar Career College's diploma in Magnetic Resonance Imaging (MRI) Technologist prepares students for entry-level positions in the healthcare sector. MRI certificate program opens a wide array of opportunities for graduates that include, but are not limited to, the following:

- MRI Technologist
- Diagnostic Radiologic Technologist (CT)
- CT/MRI Technologist
- Diagnostic Radiologic Technologist
- Health Technician
- MRI Clinic Technologist
- MRI Research Analyst
- Medical Radiographer-Radiology MRI
- MRI Supervisor

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 Magnetic Resonance Imaging (MRI) through ARRT:

- Complete the MRI training program at Stellar Career College, which is recognized by the ARRT.
- 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.