MAGNETIC RESONANCE IMAGING CERTIFICATE IN APPLIED SCIENCE

Program Description
This program prepares students to use high-field magnet and radio-frequency waves to obtain cross-sectional anatomical images of the human body. Greenville Tech offers a two-semester (nine-month) certificate program. This is a post-graduate program for the two-year credentialed radiographer.

Mission Statement
The mission of the Magnetic Resonance Imaging certificate program is to provide well trained and knowledgeable, entry-level MRI technologists to meet the needs of the medical community.

Entrance Requirements
Registered Technologist (American Registry of Radiologic Technologists)
See “Program Requirements” Section for additional requirements.

Type of Program
Weekday/Online (weekday clinical component)

Location
Didactic courses will be taught online with various clinical sites being utilized.

Employment Opportunities
Hospitals, private diagnostic offices, mobile imaging companies, sales, applications

Professional Credentials
Registered Magnetic Resonance Technologist (subject to passing national certification exam)

Upon completion of the program, an individual will be prepared to challenge the ARRT Advanced Registry in Magnetic Resonance Imaging.

Oregon, New Hampshire, New Mexico, North Dakota, and West Virginia require state licensure in order to practice MRI.

Visit our web page at https://www.gvltec.edu/mri/.

Program Requirements
Prior to acceptance students must
- Meet the specific program requirements outlined in the School of Health Sciences admissions requirements.
- Hold credentials with the American Registry of Radiologic Technologists (ARRT) in either radiography, nuclear medicine or radiation therapy and submit a photocopy.
- New graduates are eligible for application, but are required to pass the ARRT Radiography exam within four weeks of the start of the program.
- Have earned at least a grade of “C” in Anatomy and Physiology.
- Forward an official copy of college transcript and proof of high school graduation.
- Have a physical examination by a licensed, practicing physician indicating good physical and mental health and current immunization history.
- View an online Career Talk Session for the major.
- Submit a CPR card from the American Heart Association Healthcare Provider or the American Red Cross Professional Rescuer course. CPR must remain current throughout the program.
- Submit an acceptable criminal background check. Students may be subject to more than one background check during the program based on affiliate requirements.
- Submit a negative 10-panel drug screen.
- Complete Program Orientation (scheduled for accepted students every August)
- Complete Pre-Clinical Orientation

Requirements for Completion
- Students must obtain a grade of “C” or higher in all program courses to continue in the program.
- Students are required to attend a three-hour online class one day/week and an average of 18 hours of clinical experience weekly.
- Students must complete a total of 495 hours of clinical experience for the MRI program.

Recommended Program Schedule
Listed below is the ideal grouping of courses in order by semester. This plan assumes a full-time schedule. Note, however, that many variables can affect this plan, and not every course is offered every semester. Please see your advisor to map out your own personalized progression toward graduation.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Semester</td>
<td></td>
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</tr>
<tr>
<td>AHS 206</td>
<td>Cross-sectional Anatomy for Medical Imaging</td>
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</tr>
<tr>
<td>MRI 101</td>
<td>Introduction to MRI</td>
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</tr>
<tr>
<td>MRI 102</td>
<td>MRI Patient Care</td>
<td>1</td>
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<tr>
<td>MRI 111</td>
<td>MRI Physics</td>
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<tr>
<td>MRI 140</td>
<td>MRI Imaging of the Head and Neck</td>
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<tr>
<td>MRI 152</td>
<td>MRI Clinical Practicum I</td>
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<td></td>
<td>Total Semester Hours</td>
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<tr>
<td>Second Semester</td>
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<tr>
<td>MRI 121</td>
<td>Advanced MR Imaging Techniques</td>
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<tr>
<td>MRI 141</td>
<td>MR Imaging of the Spine &amp; Musculoskeletal System</td>
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</tr>
<tr>
<td>MRI 142</td>
<td>MR Imaging of the Thorax</td>
<td>2</td>
</tr>
<tr>
<td>MRI 143</td>
<td>MR Imaging of the Abdomen and Pelvis</td>
<td>2</td>
</tr>
<tr>
<td>MRI 162</td>
<td>MRI Clinical Practicum II</td>
<td>5</td>
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<tr>
<td></td>
<td>Total Semester Hours</td>
<td>16</td>
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Total Required Credit Hours: 33