(MRIT)
Magnetic Resonance Imaging
Advanced Technical Certificate

Lone Star College – CyFair
Spring Admission
Lawrence Norris Jr. Program Director
• This course of study focuses on the underlying Magnetic Resonance Imaging scientific theory, sectional anatomy, pathology and clinical protocols.
LSC-CF MRI PROGRAM

• The Magnetic Resonance Imaging (MRIT) program is a 12-month post-associate degree program that provides didactic and clinical instruction.

• Emphasis is placed on MRI patient care, safety, principles of magnetism, and the physical and chemical interactions of living matter within magnetic fields.
What will the LSC-CF MRIT program be like?

• In this program students learn;
  – Magnetic Resonance physics
  – MRI Patient Care
  – MRI equipment operation and methodology
  – MRI cross-sectional anatomy
  – Hands-on MRI imaging skills
# LSC-CF MRIT Program Effectiveness Data

<table>
<thead>
<tr>
<th>Year</th>
<th>Admitted</th>
<th>Completers</th>
<th>MRIT Registry</th>
</tr>
</thead>
<tbody>
<tr>
<td>2016</td>
<td>10</td>
<td>8/10 = 80%</td>
<td>8/8</td>
</tr>
<tr>
<td>2017</td>
<td>11</td>
<td>10/11 = 91%</td>
<td>8/10</td>
</tr>
<tr>
<td>2018</td>
<td>11</td>
<td>8/11 = 73%</td>
<td>8/8</td>
</tr>
<tr>
<td>2019</td>
<td>12</td>
<td>12/12</td>
<td>5/12</td>
</tr>
<tr>
<td>2020</td>
<td>14</td>
<td></td>
<td></td>
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<tr>
<td>Total</td>
<td>44</td>
<td>38/44 = 86%</td>
<td>29/38 = 76%</td>
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</table>
Magnetic Resonance Imaging
Advanced Technical Certificate

• Course Agenda
  – Application period ends December 4\textsuperscript{th} 2020
  Classes start January 2021 (Spring Semester)
  (3 consecutive semesters)
  – Course completion Fall 2021
  – Didactic Courses presented face to face / Hybrid
  – Clinical classes in the Greater Houston area
Magnetic Resonance Imaging Advanced Technical Certificate

• Only currently certified American Registry of Radiologic Technologist (ARRT) or Nuclear Medicine Technology Certification Board (NMTCB) and state licensed (as applicable) Radiation Therapy Technologists and American Registry for Diagnostic Medical Sonography (ARDMS) can apply.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Students currently enrolled in a JRCERT accredited school may apply however at a minimum the associate’s degree must be awarded prior to admission.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Also the ARRT primary certification registry examination must be passed within 6 weeks of enrollment or the student may be administratively withdrawn from the program.
Magnetic Resonance Imaging Advanced Technical Certificate

• A student will not be eligible for clinical placement if the registry examination has not been passed.
Magnetic Resonance Imaging Advanced Technical Certificate

• Students must be able to commit to participate in a minimum of 16 hours (two-eight hour shifts) of clinical training scheduled on two consecutive week days during the spring, summer and fall semesters.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Students are advised that clinical training scheduled in the Greater Houston Service Area which may require driving as much as 1 ½ hours to the assigned clinical site.

• Clinical sites may be as far North as Conroe or College Station and as far south as Sugar Land or Galveston.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Special arrangements for clinical placement in areas outside of the local Greater Houston Service Area may possibly be arranged and may entail additional fees to cover travel expenses for the supervising clinical instructor.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Apply for admission to the LSC-System and submit official transcripts from all colleges and allied health programs previously attended.

• Fill out, print and sign your application.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Email the following materials to the LSC-CyFair Campus Rad Tech Program Directors.

Before the end of the application period.

– ARRT License
– TMB License
– Letter of Intent
– MRI Experience Form
– Current Immunizations
– MRI Application
– 3 Recommendation letters
Magnetic Resonance Imaging
Advanced Technical Certificate

• Final acceptance into the program will be contingent upon a satisfactory background check and drug screen as required by the hospitals.

• Students accepted into the program will also have to submit proof of all required immunizations as required by the hospital.
Magnetic Resonance Imaging
Advanced Technical Certificate

• Admission Process Timeline
  – Application period will end December 4th 2020
  – January 2021
    • (First 12 applicants will be accepted due to limited clinical space.)
  – Mandatory MRI Student Orientation
    TBA
  – Background Check and Drug Screen must be completed before final acceptance into the MRI Program!
  – Classes start week of January 11th 2021
Immunization Requirements

• PPD skin test with the past 12 months for new Health Care Workers - annually thereafter - OR

• □ For those with PPD positive history, a CXR within the past 12 months for new Health Care Workers – annual symptomatic screening thereafter AND

• □ Written documentation of two MMR vaccines, one of which is after 1980 OR written documentation of positive MMR titers AND

• □ Positive varicella titer OR written documentation of 2 Varicella vaccines AND

• □ Written documentation of Tdap vaccine within the past 10 years AND

• □ Hepatitis B vaccine for Health Care Workers with potential exposure to blood/OPIM OR

• □ Hepatitis B vaccine declination signed by Health Care Worker OR

• □ Written documentation of positive Hepatitis B Surface Antibody/Hepatitis B Core Antibody to document immunity
# Magnetic Resonance Imaging Advanced Technical Certificate

<table>
<thead>
<tr>
<th>First Year</th>
<th>Spring Semester</th>
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<tr>
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<tr>
<td>RADR 2240</td>
<td>Sectional Anatomy for Medical Imaging 2</td>
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<tr>
<td>MRIT 2330</td>
<td>Principles of Magnetic Resonance Imaging 3</td>
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<tr>
<td>MRIT 2260</td>
<td>Clinical MRI 2</td>
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<td>Semester Total 7</td>
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Semester Total 7
## Magnetic Resonance Imaging Advanced Technical Certificate

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<tr>
<th></th>
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<th>Summer Semester</th>
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<tbody>
<tr>
<td>MRIT 2355</td>
<td>Magnetic Resonance Imaging Physics</td>
<td>3</td>
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<tr>
<td>MRIT 2360</td>
<td>Clinical MRI</td>
<td>3</td>
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<td>Semester Total</td>
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## Magnetic Resonance Imaging Advanced Technical Certificate

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tr>
<td>MRIT 2334</td>
<td>Magnetic Resonance Equipment and Methodology</td>
<td>3</td>
</tr>
<tr>
<td>MRIT 2361</td>
<td>Clinical MRI</td>
<td>3</td>
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</tbody>
</table>

| Semester Total | 6 |

| Total Credit Hours for Magnetic Resonance Imaging Advanced Tech Certification | 19 |
QUESTIONS!

• Good Luck!

• Lawrence Norris Jr - MRI Program Director
• 281-290-3926
• Lawrence.e.norris@lonestar.edu