



## **Magnetic Resonance Imaging Technology C.A.**

Career Community: Health and Human Service Careers

Curriculum Code: 1602

Effective: Summer 2023 – Fall 2024

### **Description**

The MRI Certificate of Achievement is intended for registered/certified radiologic technologists with the American Registry of Radiologic Technologists® (ARRT). As of January 1, 2015, these registered/certified technologists must also already have an associate degree or higher. The curriculum provides didactic hybrid distance education, laboratory simulation, and clinical experience to teach the essential content needed to begin a career in Magnetic Resonance Imaging. Successful completion of the program qualifies students for examination by the ARRT in Magnetic Resonance Imaging.

Courses in this program are offered through the Michigan Workforce Training and Education Collaborative, and are taught by various colleges in the Michigan Educational Programs in Collaboration (MI-EPiC) Consortium.

### **Milestone**

Completion of MRIT 201, MRIT 220, and MRIT 229 with a 2.5 or higher is a key component for success in completing this program. Knowledge obtained in these courses is the foundation for learning in other required courses. Students are encouraged to contact their faculty if they need additional assistance with learning the concepts presented in these courses.

### **Additional Information**

The MRI (Magnetic Resonance Imaging) Consortium Program through the Michigan Workforce Training and Education Collaborative of which LCC is a member, has been developed to be consistent with standards and requirements of the American Society of Radiologic Technologists (ASRT), the American College of Radiology (ACR), and the American Registry of Radiologic Technologists (ARRT).

First semester MRIT courses require Department Approval. Applications must be submitted by February 1 and are available by contacting the Imaging Technology Program Director at 517-483-1410. Once Department Approval is received, students must complete each MRIT course with a minimum 2.5 to progress to the next semester and meet graduation requirements.

### **Contact Information**

For further information, including career options, course substitutions and waivers, etc., contact the Medical Imaging Program, Health and Human Services Building, Room 108, telephone number 517-483-1410.

## Program of Study Required Courses

Course Code	Course Title	Credit / Billing Hours
MRIT 200	Professional Prospectus	1 / 0*
MRIT 201	Computer Apps/Medical Imaging	3 / 0*
MRIT 220	MR Physics I	3 / 0*
MRIT 222	MR Physics II	3 / 0*
MRIT 229	Applied Sectional Anatomy	3 / 0*
MRIT 230	MR Procedures and Pathophys I	3 / 0*
MRIT 232	MR Procedures and Pathophys II	3 / 0*
MRIT 240	MRI Image Analysis	3 / 0*
MRIT 260	MRI Pre-Clinical Preparation	3 / 0*
MRIT 261	Clinical Practice I	3 / 0*
MRIT 262	Clinical Practice II	3 / 0*
MRIT 263	Clinical Practice III	3 / 0*
MRIT 295	MRI Certification Exam Prep	3 / 0*

## Minimum Total Credit Hours

37 credits / 0\* billing hours

\*MRIT courses follow the Michigan Workforce Training and Education Collaborative tuition rates, and are not included in billing hours. Please contact the Medical Imaging Program Director at telephone number 517-483-1410 for current tuition rates.

## Recommended Course Sequence

Semester I (Summer 2022)
MRIT 200
MRIT 229 – Milestone course
MRIT 260

Semester II (Fall 2022)
MRIT 201 – Milestone course
MRIT 220 – Milestone course
MRIT 230
MRIT 261

Semester III (Spring 2023)
MRIT 222
MRIT 232
MRIT 240
MRIT 262

Semester IV (Summer 2023)
MRIT 263
MRIT 295

*LCC makes every effort to limit revisions to the pathways during their effective timeframe. However, the College reserves the right to update certificate and degree title changes, and make course changes as needed, without prior notice.*