



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

Career Community: Health and Human Service Careers

Curriculum Code: 1632

Effective: Summer 2022 – Summer 2025

### **Description**

This associate degree program is intended for individuals who are not already certified technologists with the American Registry of Radiologic Technologist (ARRT). 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. Graduates will be eligible to take the national registry examination administered by ARRT.

Courses in this program are offered through the Michigan Community College Association/ Michigan Colleges Online, and taught by various colleges in the Educational Programs in Collaboration (EPiC) consortium.

### **Milestone**

In addition to the required General Education courses in Math and English, 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 Community College Association via the Michigan Colleges Online of which LCC is a member, received Initial Accreditation from the Joint Review Committee on Education in Radiological Sciences (JRCERT), 20 N Wacker Drive, Suite 2850, Chicago, IL 60606-3182.

Students must complete all non-MRIT courses with a minimum 2.5 prior to submitting their application for Program Approval. First semester MRIT courses require Program Approval. Applications must be submitted by February 1 and are available by contacting the Program Director of Imaging Technology at 517-483-1410. Once Program 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 the most current information, contact the Medical Imaging Program, Health and Human Services Building, Room 108, telephone number 517-483-1410.

## General Education – Applied Degrees Courses

(For the full list of options, see [General Education](#))

- English Composition or Applied English  
Program of Study Required Courses for Admission will meet this requirement.
- English Composition (second course)/Communications or Applied Communications  
Program of Study Required Courses for Admission will meet this requirement.
- Humanities and Fine Arts or Social Sciences or Applied Social Sciences  
SOCL 120, Introduction to Sociology, 4 credits / 4 billing hours
- Mathematics or Applied Mathematics  
Program of Study Required Courses for Admission will meet this requirement.
- Natural Sciences Lab or Applied Science and Technology Lab  
Program of Study Required Courses for Admission will meet this requirement.

**Program of Study Required Courses for Admission – BIOL 201 and 202 also satisfies the General Education Natural Sciences Lab or Applied Science and Technology Lab requirement.**

Course Code	Course Title	Credit / Billing Hours
BIOL 201	Human Anatomy	4 / 6
BIOL 202	Human Physiology	4 / 5

## Program of Study Required Courses for Admission, Limited Choice – English

**Composition** - *Select one. This selection satisfies the General Education English Composition requirement.*

Course Code	Course Title	Credit / Billing Hours
ENGL 121	Composition I	4 / 4
ENGL 122	Composition II	4 / 4
ENGL 131	Honors Composition I	4 / 4
ENGL 132	Honors Composition II	4 / 4

## Program of Study Required Courses for Admission, Limited Choice – English

**Composition (second course)/Communications** - *Select one. This selection satisfies the General Education English Composition (second course)/Communications or Applied Communications requirement.*

Course Code	Course Title	Credit / Billing Hours
COMM 110	Communication in the Workplace	3 / 3
COMM 120	Dynamics of Communication	3 / 3
COMM 130	Fundamentals Public Speaking	3 / 3

### Program of Study Required Courses for Admission, Limited Choice –

**Mathematics** - *Select one. This selection satisfies the General Education Mathematics or Applied Mathematics requirement. (Any course from the General Education Mathematics College Algebra category may also be selected.)*

Course Code	Course Title	Credit / Billing Hours
MATH 120	College Algebra	4 / 4
STAT 170	Introduction to Statistics	4 / 4
STAT 215	Intro to Probability and Stats	4 / 4

### Program of Study Required Courses for Admission, Limited Choice - *Select one.*

Course Code	Course Title	Credit / Billing Hours
PHYS 120	The Art of Physics	4 / 5
PHYS 200	Intro to Applied Physics	4 / 5

### Minimum Total Credit Hours for Admission

27 credits / 31 billing hours

### 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

64 credits / 31 billing hours\*

\*MRIT courses follow the Michigan Community College Association/Michigan Colleges Online tuition rates, and are not included in the billing hours. Please contact the Radiologic Technology Program Director at 517-483-1410 for current tuition rates.

## Recommended Course Sequence

Semester I
BIOL 201
COMM 110, 120, or 130
ENGL 121, 122, 131, or 132
PHYS 120 or 200

Semester II
Gen Ed – Humanities and Fine Arts or Social Sciences or Applied Social Sciences
BIOL 202
MATH 120 (or other Gen Ed Mathematics College Algebra course), STAT 170 or 215

Semester III (Summer 2023)
MRIT 200
MRIT 229 – Milestone course
MRIT 260

Semester IV (Fall 2023)
MRIT 201 – Milestone course
MRIT 220 – Milestone course
MRIT 230
MRIT 261

Semester V (Spring 2024)
MRIT 222
MRIT 232
MRIT 240
MRIT 262

Semester VI (Summer 2024)
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.*