



Magnetic Resonance Imaging Technology A.A.S.

Curriculum Code: 1632

Effective: Summer 2020 – Summer 2023

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 Michigan Radiologic and Imaging Science Consortium (MiRIS).

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 2.0 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, Recommended Choices

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

- English Composition
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
Program of Study Required Courses for Admission will meet this requirement.

- 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 Natural Sciences Lab or Applied Science and Technology Lab General Education requirement. SOCL 120 also satisfies the Humanities and Fine Arts or Social Sciences or Applied Social Sciences General Education requirement.*

Course Code	Course Title	Credit / Billing Hours
BIOL 201	Human Anatomy	4 / 6
BIOL 202	Human Physiology	4 / 5
SOCL 120	Introduction to Sociology	4 / 4

Program of Study Required Courses for Admission – English Composition - *Select one. This selection satisfies the English Composition General Education 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 – English Composition (second course)/Communications - *Select one. This selection satisfies the English Composition (second course)/Communications or Applied Communications General Education requirement.*

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

Program of Study Required Courses for Admission – Mathematics - *Select one, or a MATH course higher than 121. This selection satisfies the Mathematics or Applied Mathematics General Education requirement.*

Course Code	Course Title	Credit / Billing Hours
MATH 121	Precalculus I	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 - *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

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 *

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	Semester II
BIOL 201 COMM 110 or 120 ENGL 121, 122, 131, or 132 PHYS 120 or 200	BIOL 202 MATH 121 (or higher), STAT 170 or 215 SOCL 120

Semester III (Summer 2021)	Semester IV (Fall 2021)
MRIT 200 MRIT 229 MRIT 260	MRIT 201 MRIT 220 MRIT 230 MRIT 261

Semester V (Spring 2022)	Semester VI (Summer 2022)
MRIT 222 MRIT 232 MRIT 240 MRIT 262	MRIT 263 MRIT 295