

LANSING COMMUNITY COLLEGE

Health & Public Services

**Curriculum Code: 1632
(Effective Summer 2018
– Summer 2021)**

Magnetic Resonance Imaging Technology A.A.S. Pathway

This associate degree program is intended for people 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).

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.

Admission Requirements

Students must complete all non-MRIT courses with a minimum 2.0 prior to submitting their application. First semester MRIT courses require Department Approval. Applications must be submitted by February 1 and are available by contacting the Program Director of Imaging Technology 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.

For More Information

For the most current and complete information, contact the Medical Imaging Program, Health and Human Services Building, Room 108, telephone number (517) 483-1410.

*MRIT flat rates follow the Michigan Community College Association/Michigan Online tuition rates. Please contact the Radiologic Technology Program Director at (517) 483-1410 for costs.

Semester I	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
BIOL 201	Human Anatomy	Reading Level 5 and Writing Level 6 and (Math Level 4 or minimum 2.0 in MATH 105 or MATH 106)	4 / 6
Program of Study Requirements – <i>Select 1</i> <i>This course also satisfies the Communication Core requirement.</i>			
COMM 110	Oral Comm in the Workplace	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	3 / 3
COMM 120	Dynamics of Communication	Reading Level 5 and Writing Level 6	3 / 3

Program of Study Requirements - <i>Select 1</i>			
<i>This course also satisfies the Writing Core requirement.</i>			
ENGL 121	Composition I	Reading Level 5 and Writing Level 6 or (Reading Level 4 and Writing Level 4 and ENGL 099 concurrently)	4 / 4
ENGL 122	Composition II	Minimum 2.0 in ENGL 121 (formerly WRIT 121) or ENGL 131 (formerly WRIT 131) or (Reading Level 5 and Writing Level 8)	4 / 4
ENGL 131	Honors Composition I	Reading Level 5 and Writing Level 7	4 / 4
ENGL 132	Honors Composition II	Reading Level 5 and Writing Level 8 and Minimum 3.5 in WRIT 121 or WRIT 131	4 / 4
Program of Study Requirements - <i>Select 1</i>			
PHYS 120	The Art of Physics	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 107 concurrently or MATH 109 concurrently)	4 / 5
PHYS 200	Intro Physics With Application	Reading Level 5 and Writing Level 6 and (Math Level 5 or MATH 109 concurrently)	4 / 5
Credits			15 / 18

Semester II	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements <i>BIOL 202 also satisfies the Science Core requirement.</i> <i>SOCL 120 also satisfies the Global Perspectives and Diversity Core requirement.</i>			
BIOL 202	Human Physiology	Minimum 2.0 in BIOL 201 or concurrently and Reading Level 5 and Writing Level 6 and (Math Level 5 or minimum 2.0 in MATH 109 or STAT 170 or concurrent enrollment in MATH 119)	4 / 5
SOCL 120	Introduction to Sociology	Reading Level 5 or (Reading Level 4 and ENGL 099 concurrently)	4 / 4
Program of Study Requirements - <i>Select 1</i> <i>This selection also satisfies the Math Core requirement.</i>			
MATH 121 <i>A higher MATH course may be used.</i>	Precalculus I	(Minimum 2.5 in (MATH 109 or MATH 112) within 2 years OR (SAT Math 550 or ACT Math 22 or CPT College Level Math 55) within 2 years) and Reading Level 5 and Writing Level 4	4 / 4
STAT 170	Introduction to Statistics	(Minimum 2.0 in MATH 105 or MATH 106 or above or Math Level 5) and Reading Level 5 and Writing Level 4	4 / 4
STAT 215	Intro to Probability and Stats	(Minimum 2.0 in MATH 120 or above or Math Level 7) and Reading Level 5 and Writing Level 4	4 / 4
Credits			12 / 13

Semester III Summer 2019	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
<i>*MRIT flat rates follow the Michigan Community College Association/ Michigan Online tuition rates. Please contact the Radiologic Technology Program Director for costs.</i>			
MRIT 200	Professional Prospectus	Certificate students: ARRT Certification in Radiography and Department Approval; AAS students: minimum 2.0 in all prerequisite courses and Department Approval. Admission to the MiRIS Magnetic Resonance Imaging Program is required for both.	1 / 0 *
MRIT 229	Applied Sectional Anatomy	Certificate students: ARRT Certification in Radiography and Department Approval; AAS students: Minimum 2.0 in all prerequisite courses and Department Approval. Admission to the MiRIS Magnetic Resonance Program is required for both.	3 / 0 *
MRIT 260	MRI Pre-Clinical Preparation	Certificate students: ARRT Certification in Radiography and Department Approval; AAS students: minimum 2.0 in all prerequisite courses and Department Approval. Admission to the MiRIS Magnetic Resonance Program is required for both.	3 / 0 *
Credits			7 / 0*

Semester IV Fall 2019	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
MRIT 201	Computer Apps/Medical Imaging	Minimum 2.5 in MRIT 200 and MRIT 229 and MRIT 260	3 / 0 *
MRIT 220	MR Physics I	Minimum 2.5 in MRIT 200 and MRIT 229 and MRIT 260	3 / 0 *
MRIT 230	MR Procedures and Pathophys I	Minimum 2.5 in MRIT 200 and MRIT 229 and MRIT 260	3 / 0 *
MRIT 261	Clinical Practice I	Minimum 2.5 in MRIT 200 and MRIT 229 and MRIT 260	3 / 0 *
Credits			12 / 0 *
Semester V Spring 2020	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
MRIT 222	MR Physics II	Minimum 2.5 in MRIT 201 and MRIT 220 and MRIT 230 and MRIT 261	3 / 0 *
MRIT 232	MR Procedures and Pathophys II	Minimum 2.5 in MRIT 201 and MRIT 220 and MRIT 230 and MRIT 261	3 / 0 *
MRIT 240	MRI Image Analysis	Minimum 2.5 in MRIT 201 and MRIT 220 and MRIT 230 and MRIT 261	3 / 0 *
MRIT 262	Clinical Practice II	Minimum 2.5 in MRIT 201 and MRIT 220 and MRIT 230 and MRIT 261	3 / 0 *
Credits			12 / 0 *
Semester VI Summer 2020	Course Title	Prerequisites	Credit/Billing Hours
Program of Study Requirements			
MRIT 263	Clinical Practice III	Minimum 2.5 in MRIT 222 and MRIT 232 and MRIT 240 and MRIT 262	3 / 0 *
MRIT 295	MRI Certification Exam Prep	Minimum 2.5 in MRIT 222 and MRIT 232 and MRIT 240 and MRIT 262	3 / 0 *
Credits			6 / 0 *
Total Credits			64 / 31 *