

# Magnetic Resonance Imaging Technologist, AAS 2023-2024 Catalog

Award Granted Upon Completion:  
Credits/Contacts Required: **67/69**

Associate in Applied Science in Magnetic Resonance Imaging Technologist  
Major code: 03/374  
CIP Code: 510907

## Description

The MRI program at Bay de Noc Community College prepares students to enter the career of medical imaging as a magnetic resonance imaging technologist. The program includes a rigorous curriculum of classroom, lab, and clinical education experiences in the Medical Imaging departments of hospitals and other health care facilities, preparing the student for success on the national certification exam administered by the American Registry of Radiologic Technologists (ARRT) <https://www.arrt.org/Certification/Magnetic-Resonance-Imaging>. All program courses in the program must be passed with a "C" or better to progress in the program.

### General Education Requirements (17 Credits)

- MATH 110 - College Algebra **Credit(s): 4 \***
- ENGL 101 - Rhetoric & Composition **Credit(s): 3**
- SOCY 151 - Sociology **Credit(s): 3**
- PSYC 201 - Introduction to Psychology **Credit(s): 3**
- BIOL 213 - Anatomy & Physiology I **Credit(s): 4**

### Program Requirements (Min 50 Credits)

- BIOL 214 - Anatomy & Physiology II **Credit(s): 4**
- XXXX xxx - College-Level Natural Science Elective **Credit(s): 3 \*\***
- COMM 103 - Interpersonal Communication **Credit(s): 3**
- HLTH 118 - Medical Terminology I **Credit(s): 3**
- MRIT 261 - Clinical Practice I **Credit(s): 3**
- MRIT 262 - Clinical Practice II **Credit(s): 3**
- MRIT 263 - Clinical Practice III **Credit(s): 3**
- MRIT 103 - MRI Physics I **Credit(s): 3**
- MRIT 107 - MRI Physics II **Credit(s): 3**
- MRIT 108 - MRI Image Analysis **Credit(s): 3**
- MRIT 113 - MRI Registry Review **Credit(s): 3**
- MRIT 115 - Computer Applications in Medical Imaging **Credit(s): 3**
- MRIT 200 - Professional Prospectus **Credit(s): 1**
- MRIT 229 - Applied Sectional Anatomy **Credit(s): 3**
- MRIT 230 - MRI Procedures & Pathophysiology I **Credit(s): 3**
- MRIT 232 - MRI Procedures & Pathophysiology II **Credit(s): 3**
- MRIT 260 - Pre-Clinical Preparation **Credit(s): 3**

#### NOTES:

\* Or other accepted Math course

\*\* Must have 3 credits of college physics which includes the concepts of magnetism. May be taken at any college.

## Accreditation and/or State Board Approved

All EPIc Magnetic Resonance Imaging Program partners are accredited by the Higher Learning Commission(HLC)

### Requirements for MRIT Programs

The Consortium Clinic Coordinator will work with students to order a background check, drug screening, and immunization tracker. The cost for this paid for by students outside of the tuition costs, in the consortium tuition and fees.

The Magnetic Resonance Imaging (MRI) program is offered through a partnership of Bay de Noc Community College and the following colleges: Kellogg Community College, Lansing Community College, Mid-Michigan Community College, Grand Rapids Community College, Southwestern Michigan College, and Westshore Community College

The six colleges established the Michigan Radiologic and Imaging Science (MRIS) Consortium, [www.mwtec.org](http://www.mwtec.org), for the purpose of sharing instructional resources to offer the MRI program. Each college enrolls students in that program under that college's admission criteria and each awards the degree according to that college's completion requirements.

### Suggested Sequences Per Semester

#### First Semester

- BIOL 213 - Anatomy & Physiology I **Credit(s): 4**
  - MATH 110 - College Algebra **Credit(s): 4 \***
  - ENGL 101 - Rhetoric & Composition **Credit(s): 3**
  - XXXX xxx - College-Level Natural Science **Credit(s): 3 \*\***
- First Semester Total - Credit(s): 14 | Contacts: 15**

#### Second Semester

- SOCY 151 - Sociology **Credit(s): 3**
  - BIOL 214 - Anatomy & Physiology II **Credit(s): 4**
  - COMM 103 - Interpersonal Communication **Credit(s): 3**
  - HLTH 118 - Medical Terminology I **Credit(s): 3**
  - PSYC 201 - Introduction to Psychology **Credit(s): 3**
- Second Semester Total - Credit(s): 16 | Contacts: 17**

#### Third Semester

- MRIT 200 - Professional Prospectus **Credit(s): 1**
- MRIT 229 - Applied Sectional Anatomy **Credit(s): 3**
- MRIT 260 - Pre-Clinical Preparation **Credit(s): 3**

#### Third Semester Total - Credit(s): 7 | Contacts: 7

#### Fourth Semester

- MRIT 103 - MRI Physics I **Credit(s): 3**
  - MRIT 115 - Computer Applications in Medical Imaging **Credit(s): 3**
  - MRIT 230 - MRI Procedures & Pathophysiology I **Credit(s): 3**
  - MRIT 261 - Clinical Practice I **Credit(s): 3**
- Fourth Semester Total - Credit(s): 12 | Contacts: 12**

#### Fifth Semester

- MRIT 107 - MRI Physics II **Credit(s): 3**
  - MRIT 108 - MRI Image Analysis **Credit(s): 3**
  - MRIT 232 - MRI Procedures & Pathophysiology II **Credit(s): 3**
  - MRIT 262 - Clinical Practice II **Credit(s): 3**
- Fifth Semester Total - Credit(s): 12 | Contacts: 12**

#### Sixth Semester

- MRIT 113 - MRI Registry Review **Credit(s): 3**
  - MRIT 263 - Clinical Practice III **Credit(s): 3**
- Sixth Semester Credit(s): 6 | Contacts: 6**