

Magnetic Resonance Imaging Technologist, AAS

Award Granted: Associate in Applied Science in Magnetic Resonance Imaging Technologist
Credits/Contacts Required: **67/69**

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.

Accreditation and/or State Board Approved

The MiRIS Magnetic Resonance Imaging Program is accredited by: Joint Review Committee on Education in Radiologic Technology. <http://www.jrcert.org/>.

Requirements for MRIT Programs

All students accepted into the MRIT program are required to purchase uniforms. The college makes arrangements for liability insurance, which will be billed in your registration fees once a year. Prior to entrance into the program, the Department of Allied Health requires students to successfully pass the following: criminal background check, a drug test, American Heart Association CPR Certification for the Healthcare Provider, and the Certification of Physical Fitness Form completed by your Physician. Along with the Certification of Fitness, students must also have proof they are immunized for specific contagious diseases. Facilities may have additional requirements, which a student will also need to meet.

The Consortium Clinic Coordinator will work with students to order a background check, drug screening, and immunization tracker. The cost for this package will be included in the Consortium tuition.

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, Lake Michigan College, and Grand Valley State University. (<https://www.micollegesonline.org/mriprogram.html>). The six colleges established the Michigan Radiologic and Imaging Science (MRIS) Consortium 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.

General Education Requirements (17 Credits)

- MATH 110 - College Algebra **Credits: 4 ***
- ENGL 101 - Rhetoric & Composition **Credits: 3**
- SOC 151 - Sociology **Credits: 3**
- PSYC 201 - Introduction to Psychology **Credits: 3**
- BIOL 213 - Anatomy & Physiology I **Credits: 4**

Program Requirements (Min 50 Credits)

- BIOL 214 - Anatomy & Physiology II **Credits: 4**
- XXXX xxx - College-Level Natural Science Elective **Credits: 3 ****
- COMM 103 - Interpersonal Communication **Credits: 3**
- HLTH 118 - Medical Terminology I **Credits: 3**
- MRIT 261 - Clinical Practice I **Credits: 3**
- MRIT 262 - Clinical Practice II **Credits: 3**
- MRIT 263 - Clinical Practice III **Credits: 3**

- MRIT 103 - MRI Physics I **Credits: 3**
- MRIT 107 - MRI Physics II **Credits: 3**
- MRIT 108 - MRI Image Analysis **Credits: 3**
- MRIT 113 - MRI Registry Review **Credits: 3**
- MRIT 115 - Computer Applications in Medical Imaging **Credits: 3**
- MRIT 200 - Professional Prospectus **Credit: 1**

- MRIT 229 - Applied Sectional Anatomy **Credits: 3**
- MRIT 230 - MRI Procedures & Pathophysiology I **Credits: 3**
- MRIT 232 - MRI Procedures & Pathophysiology II **Credits: 3**
- MRIT 260 - Pre-Clinical Preparation **Credits: 3**

Suggested Sequences Per Semester

First Semester

- BIOL 213 - Anatomy & Physiology I **Credits: 4**
- MATH 110 - College Algebra **Credits: 4 ***
- ENGL 101 - Rhetoric & Composition **Credits: 3**
- XXXX xxx – College-Level Natural Science **Credits: 3****

First Semester Total - Credit(s): 14 | Contacts: 15

Second Semester

- SOCY 151 - Sociology **Credits: 3**
- BIOL 214 - Anatomy & Physiology II **Credits: 4**
- COMM 103 - Interpersonal Communication **Credits: 3**
- HLTH 118 - Medical Terminology I **Credits: 3**
- PSYC 201 - Introduction to Psychology **Credits: 3**

Second Semester Total - Credit(s): 16 | Contacts: 17

Third Semester

- MRIT 200 - Professional Prospectus **Credits: 1**
- MRIT 229 - Applied Sectional Anatomy **Credits: 3**
- MRIT 260 - Pre-Clinical Preparation **Credits: 3**

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

Fourth Semester

- MRIT 103 - MRI Physics I **Credits: 3**
- MRIT 115 - Computer Applications in Medical Imaging **Credits: 3**
- MRIT 230 - MRI Procedures & Pathophysiology I **Credits: 3**
- MRIT 261 - Clinical Practice I **Credits: 3**

Fourth Semester Total - Credit(s): 12 | Contacts: 12

Fifth Semester

- MRIT 107 - MRI Physics II **Credits: 3**
- MRIT 108 - MRI Image Analysis **Credits: 3**
- MRIT 232 - MRI Procedures & Pathophysiology II **Credits: 3**
- MRIT 262 - Clinical Practice II **Credits: 3**

Fifth Semester Total - Credit(s): 12 | Contacts: 12

Sixth Semester

- MRIT 113 - MRI Registry Review **Credits: 3**
- MRIT 263 - Clinical Practice III **Credits: 3**

Sixth Semester Credit(s): 6 | Contacts: 6

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.