

Associate in Applied Science in MRI Technology

Program Outcomes

Upon completion of this degree, students will earn an A.A.S. degree from Southwestern Michigan College and be eligible to sit for the MRI certification exam administered by the American Registry of Radiologic Technologists (ARRT).

Employment Opportunities or Additional Educational Options

With this degree, graduates can earn positions within hospitals, and outpatient service centers.

To Learn More About This Program

Contact the Academic Advising and Resource Center at 269-782-1303 or askanadvisor@swmich.edu.

Degree Requirements

To earn this degree, students must have an overall GPA of 2.0, fulfill the course requirements of the program listed below, and complete a minimum of 60 credit hours. Each general education course, prerequisite course, internship/practicum, and capstone course must be completed with a final grade of "C" or better.

General Education Courses

COMMUNICATIONS

Course ID	Course	Credits
ENGL 103 or 103W	Freshman English 2 (or with workshop)	3 to 4 credits

MATHEMATICS

Course ID	Course	Credits
MATH 127	College Algebra	4 credits

NATURAL SCIENCE

Course ID	Course	Credits
BIOL 214	Basic Human Anatomy (Grade of "B" required)	4 Credits
CHEM 100	Fundamentals of Chemistry	4 Credits

SOCIAL SCIENCE

Course ID	Course	Credits
PSYC 101	General Psychology	3 credits

Major Specific Required Courses

Course ID	Course	Credits
EDUC 120	Educational Exploration and Planning	1 credit
BIOL 215	Principles of Physiology	4 credits
HEED 101	Medical Terminology	3 credits
MRI 200	Professional Prospectus	1 credit
MRI 260	Pre-Clinical Preparation	3 credits
MRI 261	Clinical Practice I	3 credits
MRI 262	Clinical Practice II	3 credits
MRI 263	Clinical Practice III	3 credits
MRI 220	MRI Physics I	3 credits
MRI 222	MRI Physics II	3 credits
MRI 240	MRI Image Analysis	3 credits
MRI 295	MRI Registry Review	3 credits
MRI 201	Computer Applications in Medical Imaging	3 credits
MRI 241	Applied Sectional Anatomy	3 credits
MRI 230	MR Procedures and Pathophysiology I	3 credits
MRI 232	MR Procedures and Pathophysiology II	3 credits

TOTAL CREDITS: 63-64

Additional Notes About this A.A.S. MRI Technology

- This program is a collaborative partnership between SMC and the Michigan Community College Association.
- This is a very competitive program in which students must satisfy general education requirements before being accepted into the online portion of the program (year two). Students who are not accepted into year two may have other options to complete an health-related SMC degree program.
- A prerequisite course may be needed prior to enrollment in some courses within this program. Specific prerequisite requirements are listed in the Course Description section in the Course Catalog. A summary of the prerequisites are listed below in the Example Course Sequence.
- This program as outlined does not meet MTA requirements. Students would need another Communication and two Humanities courses. Students should see their advisor to ensure proper selection.
- Courses taken out of sequence may delay a student's ability to complete the program in a timely manner. Please consult your advisor regularly.
- Each student should submit a graduation application at least one full semester before he/she plans to graduate.
- This program is subject to change. Students should consult with their advisor for program updates.

Example Course Sequence

The following is a sample of a semester-by-semester approach to completing this program.

FIRST SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C ⁺ Required)
EDUC 120 Educational Exploration and Planning	1 credit	ENGL 115 or test scores (concurrent enrollment allowed)
ENGL 103 or 103W Freshman English 2 (or with workshop)	3 to 4 credits	ENGL 115 or test scores (concurrent enrollment allowed)
CHEM 100 Fundamentals of Chemistry	4 credits	BIOL 118: ENGL 115 or test scores (concurrent enrollment allowed); CHEM 100: MATH 101, MATH 102, or test score (concurrent enrollment allowed), ENGL 115 or test score (concurrent enrollment allowed)
BIOL 214 Basic Human Anatomy	4 credits	BIOL 098, BIOL 101, BIOL 110, BIOL 202, BISC 111 or one year of high school Biology with minimum grade of B within the last 5 years, or test score

SECOND SEMESTER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
PSYC 101 General Psychology	3 credits	ENGL 115 or test scores (concurrent enrollment allowed)
BIOL 215 Principles of Physiology	4 credits	BIOL 214; CHEM 100, or one year of high school Chemistry with minimum grade of B taken within the last 5 years, or test score.
MATH 127 College Algebra	4 credits	MATH 101, MATH 102, or test scores
HEED 101 Medical Terminology	3 credits	Minimum grade of C in ENGL 115 or test scores (concurrent enrollment allowed)

SUMMER

Courses	Credits	Prerequisites (Minimum Grade of C ⁺ Required)
MRI 200 Professional Prospectus	1 credit	Approved MCCA Sequence
MRI 241 Applied Sectional Anatomy	3 credits	Approved MCCA Sequence
MRI 260 Pre-Clinical Preparation	3 credits	Approved MCCA Sequence

FALL

Courses	Credits	Prerequisites (Minimum Grade of C Required)
MRI 201 Computer Applications in Medical Imaging	3 credits	Approved MCCA Sequence
MRI 220 Physics 1	3 credits	Approved MCCA Sequence
MRI 230 Procedures/Pathology 1	3 credits	Approved MCCA Sequence
MRI 261 Clinical Practice 1	3 credits	Approved MCCA Sequence

SPRING

Courses	Credits	Prerequisites (Minimum Grade of C Required)
MRI 222 MRI Physics 2	3 credit	Approved MCCA Sequence
MRI 232 Procedures/Pathology 2	3 credits	Approved MCCA Sequence
MRI 240 MRI Image Analysis	3 credit	Approved MCCA Sequence
MRI 262 Clinical Practice 2	3 credits	Approved MCCA Sequence

SUMMER

Courses	Credits	Prerequisites (Minimum Grade of C Required)
MRI 263 Clinical Practice 3	3 credits	Approved MCCA Sequence
MRI 295 MRI Registry Review	3 credits	Approved MCCA Sequence