



# Southwestern Michigan College Associate in Applied Science in Magnetic Resonance Imaging (MRI)

## 2021

### MRI Technology

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Magnetic Resonance Imaging (MRI) technology is a fast-growing field that needs workers who are capable of understanding human anatomy and magnetic imaging and performing MRI procedures with accuracy and care. This program will equip you with all the skills and knowledge you need to excel in the field and enjoy a steady career. Radiologic and MRI Technologists median annual salary \$62,280

### Accreditation

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The Associate in Applied Science degree in Magnetic Resonance Imaging is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-3182. (312) 704-5304.

### Licensing

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This program is offered in conjunction with the Michigan Community College Association (MCCA)'s Michigan Radiologic and Imaging Science (MiRIS) Consortium. After completing pre-requisite courses, you can apply to the MRI program through which you'll complete online courses specific to MRI technology. After completing all courses successfully, you will graduate with an Associate in Applied Science in MRI Technology from SMC and will be eligible to take the MRI certification exam administered by the American Registry of Radiologic Technology (ARRT).

### Prerequisites

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Course ID	Course
BIOL 214	Basic Human Anatomy
CHEM 100	Fundamentals of Chemistry
ENGL 103 or 103W	Freshman English II
MATH 127	College Algebra
PSYC 101	General Psychology

- Students are required to take all pre-requisite courses. No course waivers will be accepted.
- Dual Enrolled students are required to follow guidelines and criteria for the year they become degree seeking students.
- AP course or courses where the test(s) has been taken and passed will be accepted. CLEP is not accepted. Please refer to page 6 for scores and grades.
- A minimum grade of a C is required in all general education courses.
- Students must have a minimum of a 2.5 in both overall GPA and a pre-requisite GPA in order to be eligible to apply.
- A student may only attempt pre-requisite courses two times. Only the most recent attempt on pre-requisites will be considered for admission requirements. If attempts are 5 years or older, the student can retake the courses and be considered for admission. An attempt includes "W" withdrawals.
- Math and science pre-requisites expire after 5 years and must be retaken prior to admission consideration.

- English and Psychology courses may be retaken after five years, but not required.
- Students will not be eligible for admission to the MRI program if they attempt any pre-requisite course more than twice. This includes attempts at other institutions.
- If a student has attempted a higher-level pre-requisite class(es) (i.e. MATH 130, CHEM 101), that will be the class(es) that will be used to calculate the pre-requisite GPA. The pre-requisite attempt rule also applies to these courses.

## Program Courses

Summer I	Fall	Winter	Summer II
Professional Prospectus	MRI Physics I	MRI Physics II	MRI Registry Review
Pre-Clinical Preparation	MR Procedures & Pathophysiology I	MR Procedures & Pathophysiology II	Clinical Practice III
Applied Sectional Anatomy	Computer Applications in Medical Imaging	MR Image Analysis	
	Clinical Practice I	Clinical Practice II	

## Non-Sequential Class

It is recommended that students take BIOL 215 (Principles of Human Physiology) prior to starting the MRI program.

## MRI Program Admission Deadlines

Timeline	Planned Admission for Summer
Deadline for Application to the Nursing and Health Services Office	February 1st Note: Students in progress Spring Semester classes will be considered for admission.
Acceptance	You will be notified of your acceptance by the Program Director of the MiRIS (Michigan Radiologic and Imaging Science Consortium).
Required Orientation Day	Online Orientation in April (Exact time and date TBD)

This is a competitive admission process. Points are awarded based on overall GPA and pre-requisite GPA.

The MiRIS (Michigan Radiologic and Imaging Science) consortium admits 36 students from 8 participating colleges. To see the full list of participating colleges, visit <https://www.mcca.org/mri-tech>

All students must complete a SMC Admission Application and have met all the admission requirements of both SMC and the MRI program prior to applying to the MRI program.

## Students taking pre-requisite classes at other institutions

- If you have not taken courses (at least 10 credit hours) at SMC (all/most pre-requisites have been taken at another college), Admission Team will use the student's previous institution's overall GPA for admissions purpose provided it is a 2.5 or higher. If not, the student will need to take a minimum of 10 credit hours at SMC to establish an overall GPA. If you have attended multiple institutions, the Admission Team reserves the right to determine which previous institution's overall GPA will be used. The team consist of the Dean of Nursing and Health Services, and Academic Advisors.
- Once a student has taken 10 credit hours at SMC they **must** use the overall GPA at SMC.
- If a student is finishing up a pre-requisite class at another institution near an application deadline and the official transcript will not arrive until after the application deadline, the student can either;
  - send an unofficial transcript with the grade earned in the class/es

- have the professor/s of the class/es send a letter from their institution's email address directly to the Nursing and Health Services office indicating the final grade received.
- In either above instance, the student has two weeks from the application date to send the official transcript. If the transcript is not received in that two-week period, the student will be ineligible for the application cycle.

## High School and Dual Enrolled Students

- High school and dual enrolled students are eligible to apply to the program as long as all of the pre-requisite and GPA requirements are met, and are 18 years of age by the start of the admission semester.
- If you are a Dual Enrolled or Early Middle College student, you **must** Have your transcripts from the college you were dual enrolled in sent to Southwestern Michigan College. Having the college courses listed on your high school transcripts is not accepted.

## Calculating your Total GPA Points for the MRI Program

Course ID	Credits	Multiply	GPA of Course	Equals
BIOL 214	4	X		=
CHEM 100	4	X		=
ENGL 103	3	X		=
MATH 127	4	X		=
PSYC 101	3	X		=
Total Pre-Req Credits	18		Add all Points	

Take the number equivalent to the letter grade you earned in the class (see grading scale below), multiply that number by the number of credit hours for the class. Add the total class points you earned and then divide that number by the total number of pre-requisite credit hours (**18**). This number will be your pre-requisite GPA. Your overall GPA will be listed in your dashboard account.

### GPA-Letter Equivalencies

Letter	GPA
A	4.00
A-	3.67
B+	3.33
B	3.00
B-	2.67
C+	2.33
C	2.00
C-	1.67
D+	1.33
D	1.00
D-	0.67
F	0.00
I *Incomplete	0.00
W *Withdrawal	0.00

Overall GPA + Pre-Req. GPA = Your Total Points out of 8 possible points.

## Course Equivalencies

### CHEM 100:

Alternative chemistry courses for the MRI program:

CHEM 101, 102 equivalencies

CHEM 201 and 202 are not acceptable for pre-requisite courses

### MATH 127:

Alternative math courses for the MRI program:

Math 130, 141, 142, 201, 203, 205 equivalencies

MATH 098, 101, 102, 128, 129, 150, 153, 154 are not acceptable pre-requisite courses

### Advanced Placement Conversion

Score Range	Grade
5	A
4	A
3	B
2	C

### MATH 130

Grade	Equiv in MATH 127
C	B
B	A
A	A

### MATH 141+

Grade	Equiv in MATH 127
C	B
B	A
A	A

## Disclaimers

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- Students with approved status and/or benefits through U.S. Citizenship and Immigration Service's (USCIS) are responsible for being aware of their status and/or benefits and any changes that may affect it. Southwestern Michigan College is not liable for any problems that may occur when applying for examination, licensing, and employment after you complete the program.
- Please note the information in this packet is subject to change without notice, please meet with your advisor if you have any questions. Students are responsible to adhere to any changes made that may affect them.