



Southwestern Michigan College

Associate in Applied Science in Magnetic Resonance Imaging (MRI)

MRI Technology

Magnetic Resonance Imaging (MRI) technology is a fast-growing field that needs workers who are capable of understanding human anatomy, magnetic imaging and performing MRI procedures with accuracy and care. This program will equip students with all the skills and knowledge that will help them excel in the field. MRI Technologist median annual salary \$61,980.

Accreditation

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

This program is offered in conjunction with the Educational Partners in Collaboration (EPiC) Consortium. After completing pre-requisite courses, students can apply to the MRI program through which they'll complete online courses specific to MRI technology. After completing all courses successfully, students 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

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 may be accepted. CLEP is not accepted. Please refer to page 4 for scores and grades.
- A minimum grade of a C is required in all general education courses, except BIOL 214.
- A student must receive a "B-"(2.67) or above in BIOL 214.
- Students must have a minimum of a 2.5 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.
- 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	Certification Exam Prep
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) and HEED 101 (Medical Terminology) prior to starting the MRI program. **However, BIOL 215 (Principles of Human Physiology) is required before the student can take MR Procedures and Pathophysiology I (Fall).**

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 EPiC.
Required Orientation Day	Online Orientation in April (Exact time and date TBD)

This is a competitive admission process. Points are awarded based on pre-requisite GPA. Limited to 5-7 students each admission cycle. Due to the competitive nature of the MRI program, students who have completed all prerequisites courses prior to the application deadline will be given priority consideration for MRI program admission.

EPiC consortium admits 36 students from 8 participating colleges. To see the full list of participating colleges, visit <https://www.mwtec.org/mri-tech-program>.

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

Students taking pre-requisite classes at other institutions

- Students may be given conditional admittance into the MRI program if currently enrolled in prerequisite courses at another institution.
- The student must provide proof of enrollment in the prerequisite courses. Proof of enrollment must also include the expected course completion date.
- The student must provide an official transcript within two weeks of course completion. Failure to provide an official transcript within two weeks of course completion may result in forfeiture of the student's seat in the MRI program.

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 they are 18 years of age by the start of the clinical courses.
- 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.

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

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
A	A
B	A
C	B

MATH 141+

Grade	Equiv in MATH 127
A	A
B	A
C	B

Disclaimers

- Students with approved status and/or benefits through U.S. Citizenship and Immigration Services (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.