

# Magnetic Resonance Imaging (MRI)

**Certificate of Achievement - Magnetic Resonance Imaging** Program Code 242

**Associate in Applied Science Degree – Magnetic Resonance Imaging** Program Code 240

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## Program Prerequisites

This program has special admission procedures based on a program-specific GPA ranking and limited enrollment. A certain number of seats will be reserved for certified medical imaging professionals. See the specific admission requirements for Health Science students on page 16. Contact Student Services Academic Advising at ext. 8128 for an academic advising appointment or the Health Science office at ext. 8768 for complete details. An advisor will help you determine prerequisites that are required and designed to prepare you for training in the program.

## Prerequisite and Support Courses (required to begin program)

** Biology 205, Human Anatomy .....	4
** English 101, English Composition .....	3
** Physical Science 101, Physical Science: Chemistry and Physics .....	4
** Health 166, CPR/AED .....	1
** Psychology 201, Introduction to Psychology .....	3
** Reading 110, Medical Terminology .....	1
** Math 122, Intermediate Algebra .....	4

## College Requirements

## Credit Hours

English 101, English Composition I (completed as program prerequisite) .....	3
English 102, English Composition II .....	3
Political Science 101, National Government, or Political Science 102, State Governments, or .....	3
History 201, American History to 1865, or History 202, American History 1865 to Present .....	3
Physical Education 200, Healthful Living, or Physical Education 212, Health and Fitness, or Physical Education 214, Personal Health .....	1/3

## Major Requirements

* Magnetic Resonance Imaging 100, Preclinical Preparation .....	3
* Magnetic Resonance Imaging 101, Professional Prospectus .....	1
* Magnetic Resonance Imaging 102, MRI Procedures and Pathophysiology I .....	3
* Magnetic Resonance Imaging 103, MRI Physics I .....	3
* Magnetic Resonance Imaging 105, Clinical Experience I .....	3
* Magnetic Resonance Imaging 106, MRI Procedures and Pathophysiology II .....	3
* Magnetic Resonance Imaging 107, MRI Physics II .....	3
* Magnetic Resonance Imaging 108, Image Analysis .....	3
* Magnetic Resonance Imaging 109, Clinical Experience II .....	3
* Magnetic Resonance Imaging 111, Clinical Experience III .....	3
* Magnetic Resonance Imaging 113, Registry Review (Certificate Program Elective) .....	3
* Magnetic Resonance Imaging 114, Applied Sectional Anatomy .....	3
* Magnetic Resonance Imaging 115, Computer Applications in Medical Imaging .....	3

\* Courses required for Certificate Program

\*\* Support courses required for graduation

## Magnetic Resonance Imaging Technology Program Handbook

In addition to the rules stated in this catalog, MRI students are required to abide by the rules stated in the MRI Technology Program Handbook.

## About the Area of Study

The Magnetic Resonance Imaging (MRI) program trains you to become a Magnetic Resonance Imaging (MRI) technologist. You will obtain clinical experience at local health care facilities in addition to formal classroom instruction provided on campus.

MRI technologists are employed in hospitals and imaging centers where they use sophisticated medical imaging equipment based on radiofrequency and magnetic principles. In addition to preparing patients and operating equipment, MRI technologists also work with radiologists, referring physicians, and hospital management to assure quality patient care and diagnosis.

MRI technologists also serve in capacities such as departmental managers, technical advisors and applications specialists, sales and service for MRI manufacturers, and as educators.

## Program Accreditation

See program advisor for more details.

## Certificate and Degree Options

Medical Imaging professionals completing the 34-credit program in Magnetic Resonance Imaging will be awarded a Certificate of Achievement - Magnetic Resonance Imaging. The certificate can be applied to the associate's degree program. Students from a non-imaging background must complete the 64-credit associate degree program for Magnetic Resonance Imaging.

## Certification Examination

Qualified graduates are eligible to sit for the ARRT's MRI certification exam. See the program advisor for details.

## Sample Course Sequence

### Certificate Program

Semester 1	Semester 2	Semester 3	Semester 4
MRIT 100	MRIT 102	MRIT 106	MRIT 108
MRIT 101	MRIT 103	MRIT 107	MRIT 111
	MRIT 114	MRIT 115	
	MRIT 105	MRIT 109	

### Associate Degree Program

Semester 1	Semester 2
ENGL 101	ENGL 102
PHED 200	MRIT 102
MRIT 100	MRIT 103
MRIT 101	MRIT 114
	MRIT 105

### Semester 3 Semester 4

MRIT 106	MRIT 108
MRIT 107	MRIT 111
MRIT 115	MRIT 113
MRIT 109	POSC 101 or 102 or HIST 201 or 202