

# MEDICAL IMAGING, MAGNETIC RESONANCE IMAGING, ASSOCIATE OF APPLIED SCIENCE



## Plan of Study

3MED-MRI

Prerequisites		Credits
MATH 1314	College Algebra <sup>1</sup>	3
BIOL 2301 & BIOL 2101	Anatomy and Physiology I (Lecture) and Anatomy and Physiology I (Lab) <sup>2</sup>	4
ENGL 1301	Composition I	3
Select one of the following: <sup>3</sup>		4
SCIT 1420	Physics for Allied Health	
PHYS 1301 & PHYS 1101	College Physics I (lecture) and College Physics I (lab)	
<b>Credits</b>		<b>14</b>

First Term		
BIOL 2302 & BIOL 2102	Anatomy and Physiology II (Lecture) and Anatomy and Physiology II (Lab)	4
Language, Philosophy and Culture (Humanities) or Creative Arts (Fine Arts)		3
RADR 1303	Patient Care	3
HPRS 1206	Essentials of Medical Terminology	2
<b>Credits</b>		<b>12</b>

Second Term		
RADR 2340	Sectional Anatomy for Medical Imaging	3
MRIT 2330	Principles of Magnetic Resonance Imaging	3
MRIT 1471	MR Imaging Procedures	4
MRIT 2260	Clinical I - Radiologic Technology/Science - Radiographer	2
<b>Credits</b>		<b>12</b>

Third Term		
MRIT 2334	Magnetic Resonance Equipment and Methodology	3

MRIT 2355	Magnetic Resonance Imaging Physics	3
MRIT 2461	Clinical II - Radiologic Technology/Science - Radiographer	4

**Credits 10**

Fourth Term		
MRIT 2462	Clinical III - Radiologic Technology/Science - Radiographer	4
MRIT 2274	MRI Pathology	2
MRIT 2375	Magnetic Resonance Imaging Technology Seminar	3
PSYC 2301	General Psychology	3

**Credits 12**

**Total Credits 60**

- <sup>1</sup> Higher level math such as Calculus I may be evaluated for possible substitution if a student was placed out of college algebra. Substitutions must be approved by the Department Chair and Dean of Health & Natural Sciences.
- <sup>2</sup> For credit earned in a required biology course to be applicable to the Magnetic Resonance Imaging program, credit must have been earned within the past five (5) years and the grade earned must have been a C or higher. Credit earned in a required biology course exceeds the five (5) year stipulation if the credit was earned five (5) or more years prior to the first term in which the student enrolls into the program.
- <sup>3</sup> For credit earned in the required SCIT 1420 Physics for Allied Health or PHYS 1301 College Physics I (lecture) and PHYS 1101 College Physics I (lab) course to be applicable to the Magnetic Resonance Imaging AAS Degree Program, credit must have been earned within the past five (5) years and the grade earned must have been a C or above. Credit earned in the required SCIT 1420 or PHYS 1301/PHYS 1101 course exceeds the five (5) year stipulation if the credit was earned five (5) or more years prior to the first term in which the student enrolls into the program. For the Fall 2024 application period, SCIT 1420 Physics for Allied Health may be in progress at the time of application. If the candidate is selected for program admission, the selection would be provisional, and the candidate must provide proof of completion of the enrolled SCIT 1420 Physics for Allied Health course with a grade of C or higher.

Capstone Experience: Eligibility to take ARRT MRI certification examination.

The College will award students either the Medical Imaging, Magnetic Resonance Imaging, Associate of Applied Science degree or the Medical Imaging, Magnetic Resonance Imaging, Advanced Technical Certificate, but not both.

Students must earn a C or better in all Magnetic Resonance Imaging courses; the student will not be permitted to continue or to graduate from the program until that course has been repeated and a grade of C or above has been earned.