

# SKILLS CERTIFICATE - MAGNETIC RESONANCE IMAGING

This skills certificate in Magnetic Resonance imaging (MRI) is a professional certificate designed for those who want to continue their education after completing an associate degree (or higher) in the radiologic sciences. It is further designed to provide well trained and knowledgeable, entry-level MRI technologists to meet the needs of the medical imaging community and for those students who are in search of an MRI program that will prepare them to take the advanced certification examination in MRI administered by the American Registry of Radiologic Technologists (ARRT).

## Certificate Outcomes

Students completing the certificate will:

- Learn patient screening procedures, safety issues, and biological considerations, MRI terminology, and imaging principles and physics.
- Learn cross-sectional anatomy and pathology to cover the entire human body.
- Learn imaging techniques of the entire human body to include patient positioning, protocols, pulse sequences, advanced imaging, and post processing procedures.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

### Certificate Requirements

AMI 201	Introduction of MRI, Patient Care, and Safety	2
AMI 236	Cross-Sectional Anatomy and Pathology for Imaging Professionals	3
AMI 238	Physics, Instrumentation, and Imaging for MRI	3
AMI 246	MRI Procedures of the Central Nervous System	3
AMI 248	Advanced MR Techniques and Post Processing	3
AMI 256	MRI Procedures of the Torso and Limbs	3
AMI 290	Internship in Advanced Medical Imaging (Optional - Competencies may be completed through the ARRT. Talk with the program director for more information.)	1-3

Total Units 18-20

Course	Title	Units
<b>1st semester</b>		
AMI 201	Introduction of MRI, Patient Care, and Safety	2
AMI 236	Cross-Sectional Anatomy and Pathology for Imaging Professionals	3

AMI 238	Physics, Instrumentation, and Imaging for MRI	3
AMI 246	MRI Procedures of the Central Nervous System	3
AMI 290	Internship in Advanced Medical Imaging (Optional - Competencies may be completed through the ARRT. Talk with the program director for more information.)	1-3
Semester Total		12-14
<b>2nd semester</b>		
AMI 248	Advanced MR Techniques and Post Processing	3
AMI 256	MRI Procedures of the Torso and Limbs	3
AMI 290	Internship in Advanced Medical Imaging (Optional - Competencies may be completed through the ARRT. Talk with the program director for more information.)	1-3
Semester Total		7-9
Total Units		19-23