



## Program Map

# Diagnostic Medical Imaging - Radiology: Magnetic Resonance Imaging

Certificate: Advanced Technology Certificate (ATC)



## HEALTH SCIENCES

**Program Description:** This certificate program provides advanced classroom and clinical instruction in Magnetic Resonance Imaging (MRI). The MRI program is offered to imaging professionals with a primary current certification in one of the following areas: Radiology R.T.(R)(ARRT), Sonography (ARRT or RDMS), Nuclear Medicine R.T.(N)(ARRT or NMTCB), or Radiation Therapy R.T.(T)(ARRT). Completion of the prescribed curriculum will help prepare the student for the Advanced Certification Examination in Magnetic Resonance Imaging administered by the American Registry of Radiologic Technologists (ARRT). For additional certification and continuing education requirements visit the ARRT website at: <https://www.arrt.org/about-the-profession/arrt-certification-and-registration>.

Students working toward admission into a Health Sciences Program are required to declare General Studies in Pre-Health Sciences degree as their major until they are officially accepted into a program.

Admission to the College does not guarantee admission to a specific health science program of study as these programs have additional requirements that must be met. The following items are required by health sciences programs, but deadlines may vary by program. Please see division and program websites for specific details.

- Completed and submitted immunizations prior to submitting an application
- Proof of health insurance
- Criminal background check
- Drug screen
- Current CPR Cardiopulmonary Resuscitation) American Heart Association (AHA) Basic Life Support (BLS) for Healthcare providers
- Completed health data form
- Verification of annual tuberculosis status
- Completed program information session

*Use this **Program Map** to choose courses with your college advisor and track your progress towards milestones and completion of program.*

Pre-Degree Requirements		
Program Specific	Reading and Writing Placement <i>Placements based on TSI</i>	Mathematics Placement <i>Placements based on TSI</i>
<p><b>This certificate program <i>ONLY</i> begins in the Fall semester.</b></p> <p>Radiology-Associate of Applied Science degree must be completed prior completing Advanced Technical Certificate.</p> <p><b>Technical Standards:</b> Health Sciences programs establish technical standards and essential functions to insure that students have the abilities required to participate and potentially be successful in all aspects of the respective programs. Students are required to meet published technical standards and essential functions for the program. See specific program website for details: <a href="http://www.austincc.edu/health/radr">www.austincc.edu/health/radr</a>.</p> <p><b>Additional Requirements:</b> Each program has specific admission requirements. See program website for detailed information: <a href="http://www.austincc.edu/health/radr">www.austincc.edu/health/radr</a>.</p>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Basic Developmental Courses</li> <li><input type="checkbox"/> ESOL Courses</li> <li><input type="checkbox"/> INRW Courses</li> </ul>	<ul style="list-style-type: none"> <li><input type="checkbox"/> MATD-0332 - Basic Math Skills</li> <li><input type="checkbox"/> MATD-042x/032x – ALEKS Sequence</li> <li><input type="checkbox"/> MATD-0385/0485 – Developing Mathematical Thinking <i>Not prerequisite for MATH-1314/1324</i></li> <li><input type="checkbox"/> MATD-0370 – Elementary Algebra</li> <li><input type="checkbox"/> MATD-0390 – Intermediate Algebra <i>Take MATD-0370 and 0390 to prepare for MATH-1314/1324</i></li> </ul>

**Contact:**  
Health Sciences  
[www.austincc.edu/health](http://www.austincc.edu/health)

**Eastview Campus:**  
Phone: 512.223.5700  
or toll-free 888.626.1697

**Round Rock Campus:**  
Phone: 512.223.0220  
Email: [healthsciences@austincc.edu](mailto:healthsciences@austincc.edu)

**Department Website:**  
[www.austincc.edu/health/radr/ct](http://www.austincc.edu/health/radr/ct)

**SEMESTER-BY-SEMESTER PROGRAM PLAN FOR FULL-TIME STUDENTS***Plans can be modified to fit the needs of part-time students by adding more semesters*

ATC	Fall Semester	CR	Advising Notes
●	RADR 2271- Sectional Anatomy and Patient Care	2	
●	MRIT 2330 - Principles of Magnetic Resonance Imaging	3	
●	MRIT 2460 - Clinical -- Radiologic Technology/Science -- Radiographer I	4	
		9	Program Semester Hours / Meet with your advisor
	Semester 2		
●	MRIT 2276 - Magnetic Resonance Physics and Procedure	2	
●	MRIT 2561 - Clinical -- Radiologic Technology/Science -- Radiographer II	5	Capstone course. <b>ACHIEVEMENT:</b> Advanced Technical Certificate
		7	Program Semester Hours
Total Program Hours:		16	

Please always check online at [austincc.edu/catalog](http://austincc.edu/catalog) or meet with your academic or program advisor to ensure that you are viewing the latest and most accurate information.

## Career & Transfer Resources

ACC's Career & Transfer websites provide detailed, guided information on career exploration and transfer.

[www.austincc.edu/career](http://www.austincc.edu/career)

[www.austincc.edu/transfer](http://www.austincc.edu/transfer)

For further information regarding this specific program, please see the Career & Transfer Resources supplement provided in the next section of this Program Map.

## Program Map

# Magnetic Resonance Imaging

Certificate: Advanced Technical Certificate

Career & Transfer Resources Updated 8/18/17

## Career Information

Medical Imaging refers to the techniques and processes used to produce images of the human anatomy using modalities such as radiography, computerized tomography, nuclear medicine imaging, and Magnetic Resonance Imaging. Medical Imaging is used to reveal, diagnose or examine pathology including the study of normal anatomy and physiology.

MRI is primarily a medical imaging modality that utilizes the resonant frequency properties of atoms that are placed within a powerful magnetic field. MRI provides excellent contrast between different soft tissues of the body making it especially useful in neurological (brain), musculoskeletal, and cardiovascular imaging.

### Common Job Titles

Magnetic Resonance Imaging Technologists (includes Lead Magnetic Resonance Imaging MRI Technologist, Lead Technologist/Manager, Magnetic Resonance Imaging MRI Specialist, Magnetic Resonance Imaging MRI Supervisor, Magnetic Resonance Imaging MRI Technologist, Senior Staff Technologist, Staff Magnetic Resonance Imaging MRI Technologist, Staff Technologist)

### Regional Labor Market Information

Magnetic Resonance Imaging Technologists: New workers generally start around \$55,345. Normal pay for Magnetic Resonance Imaging Technologists is \$69,813 per year, while highly experienced workers can earn as much as \$89,625 in this region. Over the last year, 38 companies have posted 362 jobs for Magnetic Resonance Imaging Technologists.

Source: <https://austincc.emsicc.com/careers/magnetic-resonance-imaging-technologist>

**Career and labor market research tools** (see Quick Reference Guide at <http://www.austincc.edu/career>):

EMSI: <https://austincc.emsicc.com/>, Bureau of Labor Statistics: <http://www.bls.gov/ooh/>, O\*NET: <https://www.onetonline.org/>

**Career Resources:** ACC's career services website provides information on career exploration and employment at <http://www.austincc.edu/career>. Students are encouraged to consult with their area of study advisor for additional career assistance. The above information is provided as a guide and reference tool for occupations related to this program. This is not a guarantee of job placement in any of these occupations after successful completion of an ACC program. The common job titles listed are representative titles and are provided for career research. These are not the only occupations possible in this area of study.

## Transfer Information

The Magnetic Resonance Imaging Level 2 Certificate is aimed at students who are imaging professionals with a primary current certification in one of the following areas: Radiology R.T.(R)(ARRT), Sonography (ARRT or RDMS), Nuclear Medicine R.T.(N)(ARRT or NMTCB), or Radiation Therapy R.T.(T)(ARRT). Completion of the prescribed curriculum will help prepare the student for the Advanced Certification Examination in Magnetic Resonance Imaging administered by the American Registry of Radiologic Technologists (ARRT).

**Additional Transfer Resources:** ACC's transfer website provides information on additional colleges & universities:

<http://www.austincc.edu/transferguides>. Students are encouraged to consult with a faculty advisor, area of study advisor, and/or their chosen transfer institution to ensure courses taken at ACC will apply toward their bachelor's degree program.