Program Contact: Emily Amento (Emily.Amento@quinnipiac.edu)
203-582-3674

The MHS in Advanced Medical Imaging and Leadership at Quinnipiac University is an interprofessional degree program offered by the Department of Diagnostic Imaging in the School of Health Sciences in conjunction with the Department of Healthcare Management and Organizational Leadership in the School of Business.

The one-year AMIL program provides graduates with the opportunity to obtain additional certification in one of the following three advanced imaging modalities: Magnetic Resonance Imaging, Computed Tomography or Women’s Imaging. The advanced imaging courses are coupled with fundamental leadership course work that lays the foundation for future careers and leadership positions in imaging and health care management.

MHS in Advanced Medical Imaging and Leadership Curriculum

### Computed Tomography

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<thead>
<tr>
<th>Course</th>
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<tr>
<td><strong>First Year</strong></td>
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<tr>
<td>Summer Semester</td>
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<tr>
<td>AMI 523</td>
<td>Advanced Sectional Anatomy (Computed Tomography)</td>
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<td>AMI 538 &amp; 538L</td>
<td>Introduction to CT Scanning and Computed Tomography Lab I</td>
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<td>Foundations for Decision Making (MBA Quick Start)</td>
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<td>Quality Management in Health Care Facilities</td>
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### Magnetic Resonance Imaging

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<td>Advanced MRI Principles and Imaging and Magnetic Resonance Imaging Principles II - Lab Practicum</td>
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### Women’s Imaging

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<td>AMI 541L</td>
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Advanced Medical Imaging and Leadership

AMI 570 Capstone I 1
HM 600 Foundations of Health Care Management 3
HM 621 Quality Management in Health Care Facilities 3
HM 640 Special Topics 3

Credits 15

Spring Semester
AMI 531 Mammography and Bone Densitometry Clinical II 2
AMI 575 Capstone II 3
HM 660 Human Resource Management in Health Care Administration 3
HM 664 Financial Management in Health Care Organizations 3

Credits 11

Total Credits 39

Student Learning Outcomes
Upon completion of the Advanced Medical Imaging and Leadership Program, students will demonstrate the following competencies:

Goal: Students will be clinically competent.
1. Clinically Knowledgeable: Apply skills and knowledge from foundational courses.
2. Procedurally Knowledgeable: Demonstrate growth in procedural knowledge from all AMIL coursework.

Goal: Students will demonstrate effective communication skills.
1. Effective Communication: Execute interpersonal communication with patients.
2. Oral Proficiency: Demonstrate their ability to present clear and creative ideas in a formal manner.

Goal: Students will demonstrate critical thinking.
1. Critical Decision Making: Demonstrate their ability to navigate typical and atypical clinical scenarios while performing non-routine and routine procedures.
2. Image Analysis: Evaluate images for quality and diagnostic value.

Goal: Students will grow and develop as professionals.
1. Professionalism: Conduct themselves professionally and understand and apply ethical decision making.
2. Professional Research: Create a culminating capstone project.

Program Objectives
The objectives of the Advanced Medical Imaging and Leadership program are to:

- Provide excellent education in both the didactic and clinical learning environment
- Provide research opportunities that contribute to the clinical and scientific knowledge base in the field of diagnostic radiology
- Provide the skills necessary to prepare graduates for practice as advanced modality imaging professionals
- Provide essential and fundamental leadership skills to better position graduates for entry level supervisory opportunities within radiology health care organizations
- Foster a sense of commitment to continuing education and professional development

These objectives are consistent with the mission statement of Quinnipiac University, which is to provide a supportive and stimulating environment for intellectual and personal growth.

Admission Requirements
The eligibility requirements for the MHS-AMIL program include:

1. Bachelor’s degree from an accredited institution;
2. Radiologic Technologist in good standing with the American Registry of Radiologic Technologists; and
3. State of Connecticut Licensure as a radiographer prior to clinical component of the program;
4. Prerequisite course requirements:
   - 3-4 credits of physics or chemistry
   - 3 credits of college-level mathematics
   - 12-15 credits of biology with labs, including:
     - 6-8 credits of anatomy and physiology

Admission to the program is conducted on a rolling basis. Decisions are made individually as an application becomes complete. Final decision on which applicants are selected into the program will be made by the program director, with input from MHS-AMIL program faculty. An interview is required when appropriate with the program director and at least two members of the MHS-AMIL faculty in attendance. Applications will be ranked based on a strong academic record, experience in a relevant clinical area, perceived ability to complete a challenging didactic and clinical program and the strength of recommendation by reference person.

Mission Statement
The Advanced Medical Imaging and Leadership program supports the mission statements of both Quinnipiac University and the School of Health Sciences and their commitment to excellence in education. The mission of the Advanced Medical Imaging and Leadership program is to develop student's technical, professional and interpersonal communication skills through a logical and organized sequence of didactic, laboratory and clinical experiences. The program offers multiple clinical assignments to provide maximum exposure to advanced imaging modalities and associated protocols. In addition, the program prepares skilled graduates competent in the art and science of radiography, fluoroscopy and interventional procedures. Graduates of the Advanced Medical Imaging and Leadership program will meet the needs of the community for highly qualified professionals, and the program will prepare students for career entry and advanced study.