

# Course Credentialing for Student Licensure Examinations Eligibility: MRI, CT and Mammography Licensures by ARRT

**Prepared & Submitted by: *Profs. Subhendra Sarkar & Evans Lespinasse***  
**Approved by: *American Registry of Radiologic Technologists, MN, USA***

## Establishing Credentialing Eligibility toward Both MRI & CT Licensure Exams: Course 1: RAD 3726



The American Registry of Radiologic Technologists®

### Credit Distribution Worksheet Magnetic Resonance Imaging

PART A - COURSE INFORMATION	
Course Number	RAD 3726
Course Title	Advanced Imaging I
Institution	New York City College of Technology
School/Dept/Program	Radiologic Technology & Medical Imaging
Number of Academic Credit-Hours	<b>3.0</b>
Enter "12" for Quarter System or "16" for Semester or "Mini-mester"	<b>16</b>
Maximum Potential Structured Education Credits	<b>48.00</b>

PART B - CREDIT DISTRIBUTION		2020	2017
ARRT Content Category	Instructional Hours (increments of 0.25 only)	Instructional Hours (increments of 0.25 only)	
<b>Patient Care</b>			
Ethical and Legal Aspects		0.50	
Interpersonal Communications		0.50	
Physical Assistance and Monitoring		0.50	
Medical Emergencies			
Infection Control		0.50	
Handling and Disposal of Toxic or Hazardous Material			
Pharmacology (includes Contrast Administration)		0.50	
<b>Safety</b>			
MRI Screening and Safety		3.50	
<b>Image Production</b>			
Physical Principles of Image Formation		3.00	
Sequence Parameters and Options		3.00	
Data Acquisition, Processing, and Storage		3.00	
<b>Procedures</b>			
Neurological		3.00	
Body		3.00	
Musculoskeletal		3.00	
<b>Topics Not Included in ARRT's Structured Education Requirements</b>	<b>48.00</b>	<b>24.00</b>	

this number  
declines as  
you enter hours  
above

this number  
declines as  
you enter hours  
above

Establishing Credentialing Eligibility toward Both MRI & CT Licensure Exams:  
Course 2: RAD 4726



The American Registry of Radiologic Technologists®

**Credit Distribution Worksheet**  
**Magnetic Resonance Imaging**

PART A - COURSE INFORMATION	
Course Number	RAD 4726
Course Title	Advanced Imaging I
Institution	New York City College of Technology
School/Dept/Program	Radiologic Technology & Medical Imaging
Number of Academic Credit-Hours	3.0
Enter "12" for Quarter System or "16" for Semester or "Mini-master"	16
Maximum Potential Structured Education Credits	48.00

PART B - CREDIT DISTRIBUTION	2020	2017
ARRT Content Category	Instructional Hours (Increments of 0.25 only)	Instructional Hours (Increments of 0.25 only)
<b>Patient Care</b>		
Ethical and Legal Aspects		0.50
Interpersonal Communications		0.50
Physical Assistance and Monitoring		0.50
Medical Emergencies		
Infection Control		0.50
Handling and Disposal of Toxic or Hazardous Material		
Pharmacology (includes Contrast Administration)		0.50
<b>Safety</b>		
MRI Screening and Safety		3.50
<b>Image Production</b>		
Physical Principles of Image Formation		3.00
Sequence Parameters and Options		3.00
Data Acquisition, Processing, and Storage		3.00
<b>Procedures</b>		
Neurological		3.00
Body		3.00
Musculoskeletal		3.00
<b>Topics Not Included in ARRT's Structured Education Requirements</b>	<b>48.00</b>	<b>24.00</b>

this number declines as you enter hours above

this number declines as you enter hours above

Establishing Credentialing Eligibility toward MRI Licensure Exam:  
Course 1: RAD 3737



The American Registry of Radiologic Technologists®

**Credit Distribution Worksheet**  
Magnetic Resonance Imaging

PART A - COURSE INFORMATION	
Course Number	RAD 3737
Course Title	MR Anatomy, Pathophysiology and Instrumentation
Institution	New York City College of Technology
School/Dept/Program	Radiologic Technology & Medical Imaging
Number of Academic Credit-Hours	3.0
Enter "12" for Quarter System or "16" for Semester or "Mini-mester"	16
Maximum Potential Structured Education Credits	48.00

PART B - CREDIT DISTRIBUTION	2020	2017
	Instructional Hours (increments of 0.25 only)	Instructional Hours (increments of 0.25 only)
<b>ARRT Content Category</b>		
<b>Patient Care</b>		
Ethical and Legal Aspects		0.50
Interpersonal Communications		0.50
Physical Assistance and Monitoring		0.50
Medical Emergencies		
Infection Control		0.50
Handling and Disposal of Toxic or Hazardous Material		
Pharmacology (includes Contrast Administration)		0.50
<b>Safety</b>		
MRI Screening and Safety		3.50
<b>Image Production</b>		
Physical Principles of Image Formation		3.00
Sequence Parameters and Options		3.00
Data Acquisition, Processing , and Storage		3.00
<b>Procedures</b>		
Neurological		3.00
Body		3.00
Musculoskeletal		3.00
<b>Topics Not Included in ARRT's Structured Education Requirements</b>	<b>48.00</b>	<b>24.00</b>

this number declines as you enter hours above

this number declines as you enter hours above

Establishing Credentialing Eligibility toward MRI Licensure Exam:  
Course 2: RAD 4829



The American Registry of Radiologic Technologists®

**Credit Distribution Worksheet**  
Magnetic Resonance Imaging

PART A - COURSE INFORMATION	
Course Number	RAD 4829
Course Title	Advanced MR Theory and Applications
Institution	New York City College of Technology
School/Dept/Program	Radiologic Technology & Medical Imaging
Number of Academic Credit-Hours	3.0
Enter "12" for Quarter System or "16" for Semester or "Mini-mester"	16
Maximum Potential Structured Education Credits	48.00

ARRT Content Category	2020	2017
	Instructional Hours (increments of 0.25 only)	Instructional Hours (increments of 0.25 only)
<b>Patient Care</b>		
Ethical and Legal Aspects		0.50
Interpersonal Communications		0.50
Physical Assistance and Monitoring		0.50
Medical Emergencies		
Infection Control		0.50
Handling and Disposal of Toxic or Hazardous Material		
Pharmacology (includes Contrast Administration)		0.50
<b>Safety</b>		
MRI Screening and Safety		3.50
<b>Image Production</b>		
Physical Principles of Image Formation		3.00
Sequence Parameters and Options		3.00
Data Acquisition, Processing, and Storage		3.00
<b>Procedures</b>		
Neurological		3.00
Body		3.00
Musculoskeletal		3.00
<b>Topics Not Included in ARRT's Structured Education Requirements</b>	<b>48.00</b>	<b>24.00</b>

this number declines as you enter hours above

this number declines as you enter hours above



## Credit Distribution Worksheet

### Mammography

PART A - COURSE INFORMATION	
<b>Course Number</b>	RAD 3200
<b>Course Title</b>	Principles of Mammography
<b>Institution</b>	New York City College of Technology
<b>School/Dept/Program</b>	Radiologic Technology & Medical Imaging
<b>Number of Academic Credit-Hours</b>	<b>3.0</b>
<b>Enter "12" for Quarter System or "16" for Semester or "Mini-mester"</b>	<b>16</b>
<b>Maximum Potential Structured Education Credits</b>	<b>48.00</b>

PART B - CREDIT DISTRIBUTION	
ARRT Content Category	Instructional Hours (increments of 0.25 only)
<b>Patient Care</b>	
Patient Interactions and Management	6.00
<b>Image Production</b>	
Equipment Operation and Quality Assurance	18.00
<b>Procedures</b>	
Anatomy, Physiology and Pathology	12.00
Positioning and Procedures	12.00
<b>Topics Not Included in ARRT's Structured Education Requirements</b>	<b>0.00</b>

this number declines as you enter hours above