

The background features abstract geometric shapes in two shades of teal and blue. A large teal shape points towards the top left, while a larger blue shape points towards the bottom right. They overlap, creating a dynamic composition. Two thin vertical lines are present: one on the left side and one on the bottom right.

Post Primary  
Pathways

**SCHOOL OF  
MEDICAL IMAGING**

# POST PRIMARY PATHWAYS

The post primary pathway is for those who are currently certified and registered with ARRT and would like to pursue an additional credential. The post primary pathway may also be used by those who hold a credential from ARDMS or NMTCB.

## Post Primary Pathways:

- Bone Densitometry
- Computed Tomography
- Magnetic Resonance Imaging
- Mammography
- Vascular Interventional Radiography

Scan for  
application  
information



<https://www.brownhealth.org/centers-services/school-medical-imaging/secondary-pathway-application>



# BONE DENSITOMETRY

Bone densitometry involves performing specialized imaging to assess an individual's risk for developing fractures and diagnose conditions such as osteoporosis. This non-invasive procedure, also known as dual-energy X-ray absorptiometry (DEXA or DXA), requires precision and expertise.

# COMPUTED TOMOGRAPHY



Computed tomography, also known as CT, is an advanced medical imaging method that uses X-rays and computers to capture images of individual cross-sectional slices through the body. Due to its speed of image acquisition, CT is the modality of choice for trauma and evaluation of acute stroke. CT is also commonly implemented in radiation therapy treatment planning, for assessing vasculature, as well as visualizing various chest, abdominal pelvic, bony, and soft tissue abnormalities. CT imaging can be utilized for cardiac evaluation, as a colon and lung screening tool, and during the biopsy of suspicious tissue.

# MAGNETIC RESONANCE IMAGING

Magnetic Resonance Imaging (MRI) is a non-invasive modality using a large magnet and radio waves to produce high-resolution, cross-sectional images of the body. Healthcare professionals use magnetic resonance images to assess and diagnose conditions of the brain and spinal cord, heart and blood vessels, internal organs, bones and joints, breasts, and fetal abnormalities. MRI technologists play a vital role in the diagnostic process, leveraging their technical expertise and patient care skills to produce high-quality images that are essential for accurate medical assessments and treatment plans.





# MAMMOGRAPHY

The mammography technologist is responsible for obtaining high quality diagnostic images that help physicians detect breast cancer and other breast diseases in their earliest stages. Mammography technologists play a crucial role in early detection and diagnosis of breast cancer, contributing significantly to patient outcomes through their technical skills and compassionate care.

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# VASCULAR INTERVENTIONAL RADIOGRAPHY

Vascular interventional radiography (VIR) is a medical specialty that uses minimally invasive procedures to diagnose and treat various conditions including vascular and non-vascular procedures. Technologists play a critical role in the success of VIR procedures by combining technical expertise with patient care skills, ensuring both the safety and comfort of patients and the accuracy of the diagnostic and therapeutic interventions.





# COURSE OFFERINGS

Semester	Bone Densitometry (BD)
Spring	Bone Densitometry

Semester	Computed Tomography (CT)
Spring	Principles of CT CT Physics and Radiation Protection
Summer or Fall	Registry Review Clinical Education
Clinical Sites	Brown University Health Hospitals Southcoast Hospitals Day Kimball Hospital Westerly Hospital

Semester	Magnetic Resonance Imaging (MRI)
Spring	Procedures I Physical Principles I Clinical Education
Summer	Procedures II Clinical Education
Fall	Physical Principles II Clinical Education
Clinical Sites	Brown University Hospitals Kent Hospital Lawrence and Memorial Hospitals Charlton Memorial Hospital Rhode Island Medical Imaging



# COURSE OFFERINGS

Semester	Mammography (MG)
Spring	Radiographic Mammography
Summer or Fall	Mammography Registry Review Clinical Education
Clinical Sites	Anne C Pappas Center for Breast Imaging Anne C Pappas Screening Center at West River

Semester	Vascular Interventional Radiography (VIR)
Spring	Principles of VIR
Summer	Procedures I Clinical Education
Fall	Procedures II Clinical Education
Clinical Sites	The Miriam Hospital Rhode Island Hospital

# TUITION INFORMATION

<b><u>Modality</u></b>	<b><u>Program Tuition</u></b> Courses and Clinical	<b><u>Courses Only Tuition</u></b>	<b><u>Course Semester</u></b>	<b><u>Clinic</u></b>
<b>BD</b>	N/A	\$2,500	Spring 4 months	ARRT Comp requirements
<b>CT</b>	\$5,000	\$2,500	Spring 4 months	400 hours 3 days/week 16 weeks
<b>MRI</b>	\$10,000	\$5,000	Spring - Fall 12 months	12 months 3 days/week
<b>MG</b>	\$5,000	\$2,500	Spring 4 months	240 hours 2 days/week 16 weeks
<b>VIR</b>	\$5,000	\$2,500	Summer - Fall 8 months	ARRT Comp requirements




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# ADDITIONAL INFORMATION

## Program Clinical Fees:

- Trajecsyst \$75-\$150

## Tuition Payments:

- 1st tuition payment is due before the start of class/clinical
  - 2nd tuition payment is due 4 weeks after the start of class/clinical
  - Payments must be in the form of a money order or cashier's check made payable to: Brown University Health School of Medical Imaging
    - Drop off location: 335R Prairie Avenue Suite 2A, Providence, RI 02905
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# NOTES



Handwriting practice lines consisting of 20 horizontal blue lines.