



Imaging Education Associates is pleased to offer...

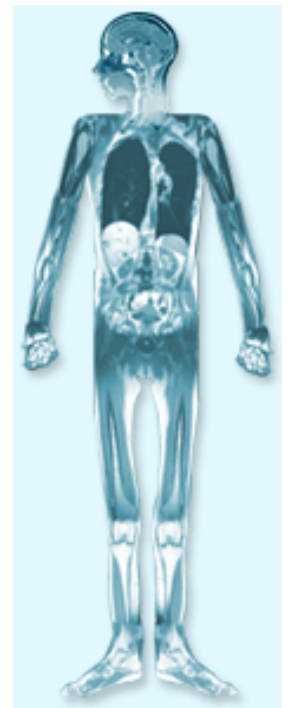
Spring 2010 Live Accelerated Internship Programs for the RT in CT!

Offered on Tuesday evenings... In the Philadelphia, PA Area!

This all-inclusive program will provide 36 hours of didactic sessions covering the basic concepts and clinical applications of **Computed Tomography**. Each 12 session program will be held every Spring from March-May on Tuesdays evenings at a convenient location. **Clinical rotations are available upon request.**

Accelerated Internship for Technologists (RT's) in CT

- Evening "Live Lectures" - 12 weeks of Live lectures @ 3 hours per session
- Includes Snack (light appetizer or sweetie, plus beverages) during the Breaks, for each class
- Includes Text book for the course
- Includes the Virtual component (36 hours of on-line video lectures - on-line and on-demand)
- Includes on-line (printable) handouts and worksheets
- Includes clinical rotations (UPON REQUEST)
- Includes category "A" credits



Pre-Requisites

- To qualify for any of the advanced level examinations offered by the ARRT (for example MRI, CT, Ultrasound, mammography, Cardiovascular, you must be a registered technologist (RT) in (Radiography, Radiation therapy, Nuclear Medicine or Sonography)
- To qualify for Clinical Rotations, you must be an RT and have personal health insurance
 - You must provide proof of certification in the form of a copy of your RT card
 - You must provide proof of insurance in the form of a copy of your health insurance card
 - Some facilities require back ground check prior to clinical rotations

Course Dates & Times

- March 2 – May 18, 2010
- Tuesday Evenings from 6:00 – 9:30 pm

Location for the didactic (classroom) component of the live CT courses

- Three Westlakes
1055 Westlakes Drive
3rd Floor
Berwyn, PA 19312



Location for the Clinical (hands-on) component of the CT courses

Hands-on (clinical) Components are available upon request and are held at one of several imaging facilities at Christiana Imaging, including:

<ul style="list-style-type: none"> • Christiana Hospital • Stony Batter • HCCC 	<ul style="list-style-type: none"> • Wilmington • Dover • Smyrna
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How Much? Tuition

- Early "Discounted" Registration (If registered and paid before February 1)
 - Didactic (classroom) component \$1,750.00
 - Clinical (hands-on) component \$ 695.00
 - Total for classroom plus clinical \$2,445.00
- Full Price Registration (If registered and paid after February 1)
 - Didactic (classroom) component \$2,000.00
 - Clinical (hands-on) component \$ 795.00
 - Total for classroom plus clinical \$2,795.00
- * Payment Plan: For your convenience, Imaging Education Associates, LLC. offers an easy payment plan (This plan does not apply to the early registration discount). Our easy payment plan consists of 3 payments
 - March 1 \$700.00
 - April 1 \$700.00
 - May 1 \$700.00
 - **If clinical, clinical tuition is \$795.00

** This payment MUST be completed prior to the start of your clinical rotations

* Payment plan can only be made by check payment. You must send a check to Imaging Educational Associates,.

How to Register

- Register on line www.imaginged.com
- Select the course
- Payments can be made
 - On-line using our secure partner with PayPal
 - By check, send to the address listed below

Contact Information:

- Imaging Education Associates, LLC.
P.O. Box 2185
Boothwyn, PA 19061
610-727-4174

Cancellation policy:

- Written notification of cancellation, or change in program date, must be received 2 weeks prior to the program for a refund (**minus** a \$100.00 service charge). **No refund after the course begins.**
- In the event of low registration, course may be cancelled. In this case a full refund will be granted or tuition can be used for another course. Course cancellations are rare and would occur no later than 4-6 weeks prior to the scheduled course date.

About Us: Imaging Education Associates, LLC

Imaging Education Associates (IEA) is comprised of Technologist Educators who are leaders in the field of Medical Imaging. Our faculty of educators (*our Imaging Education Associates*) have been hand selected to deliver up-to-date information on state-of-the-art imaging technologies. Candi Roth, CEO and Bill Faulkner, Executive Director of IEA were the first to provide continuing education for technologists on the "web". To view our other courseware visit our web site at www.imaginged.com.

Live CT Course

Date: 3/2/2010 6:00:00 PM

Topic #1 Introduction to Computed Tomography 3.0 category A credits

This course provides an overview of CT imaging. Within this 150 minute (50 minutes x 3) program the attendee will be introduced to CT imaging, the principles, the instrumentation, the history of CT, imaging planes & an overview of the 3 month internship.

06:00 pm – 06:20 pm	Introduction to Accelerated Internships in MRI & CT	Carolyn Roth
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	1.1 The Very, Very Basics of Computed Tomography	Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	1.2 Planes & Image Processing	Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	1.3 The Past, Present and Future of CT	Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #1	Joy Fox

Date: 3/9/2010 6:00:00 PM

Topic #2 Patient Care & Radiation Safety 3.0 category A credits

This course provides an overview of the safety considerations associated with CT Imaging. Within this three hour program the attendee will be presented with the bioeffects, general patient care, pharmacology & venipuncture associated with CT imaging.

06:00 pm – 06:30 pm	Sign in and Registration (soft drinks provided)	
06:30 pm – 07:20 pm	2.1 The General Patient Care in Imaging	Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	2.2 Review Pharmacology & Venipuncture	Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	2.3 Radiation Safety in CT	Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #2	Joy Fox

Date: 3/16/2010 6:00:00 PM

Topic #3 Contrast Media 3.0 category A credits

This course provides an overview of Contrast agents for CT imaging. Within this three-hour program the attendee will be presented the effects contrast agents on image contrast.

06:00 pm – 06:30 pm	Sign in and Registration (soft drinks provided)	
06:30 pm – 07:20 pm	3.1 Contrast Media Principles	Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	3.2 Iodinated Contrast Media Adverse Effects	Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	3.3 Contrast Media Doses in CT	Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #3	Joy Fox

Date: 3/23/2010 6:00:00 PM

Topic #4 X-Ray Physics Review 3.0 category A credits

This course provides a review of Xray physics. Within this three hour program the attendee will be presented with a review of the "old" in order to understand the "new" principles associated with CT imaging.

06:00 pm – 06:30 pm	Sign in and Registration (soft drinks provided)	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	4.1 Radiation Biology & Protection Review	Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	4.2 Equipment & Production of X-Ray	Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	4.3 X-Ray Physics Interactions	Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #4	Joy Fox

Date: 3/30/2010 6:00:00 PM
Topic #5 CT Instrumentation **3.0 category A credits**

This course provides an overview of CT instrumentation. Within this three hour program the attendee will be presented the hardware associated with CT imaging.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	5.1 Scanner Generations & Imaging System Hardware	Scott Stengal & Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	5.2 Ancillary Equipment (Detectors, Computer System, Display, Storage, & Communication)	Scott Stengal & Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	5.3 Injectors in CT	Scott Stengal & Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #5	Scott Stengal & Joy Fox

Date: 4/6/2010 6:00:00 PM
Topic #6 CT Principles **3.0 category A credits**

This course provides an overview of CT principles. Within this three-hour program the attendee will be presented the physical principles of computed tomography.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	6.1 Data Acquisition	Scott Stengal & Joy Fox
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	6.2 MDCT Acquisition & Image Reconstruction	Scott Stengal & Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	6.3 Intro to Digital Imaging	Scott Stengal & Joy Fox
09:20 pm – 09:30 pm	Questions and answers for Topic #6	Scott Stengal & Joy Fox

Date: 4/13/2010 6:00:00 PM
Topic #7 CT Image Quality **3.0 category A credits**

This course provides an overview of CT technique and artifacts. Within this three-hour program the attendee will be presented the techniques for CT imaging and CT artifacts as well as principles of helical & MDCT and the principles of acquisition for 3D reformats.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	7.1 SNR and Technique	Steven Mills
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	7.2 Multi-Detector CT (MDCT) and Helical	TBA
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	7.3 Image Display & Post Processing	TBA
09:20 pm – 09:30 pm	Questions and answers for Topic #7	Steven Mills

Date: 4/20/2010 6:00:00 PM
Topic #8 Advanced CT Imaging **3.0 category A credits**

This course provides an overview of advanced CT including CTA, stroke imaging and cardiac CT. Within this three hour program the attendee will be presented the effects principles of helical & MDCT and the principles of acquisition for 3D reformats

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	8.1 CT Angiography (CTA)	TBA
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	8.2 CT of Stroke	TBA
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	8.3 CT of Cardiac	Carolyn Roth
09:20 pm – 09:30 pm	Questions and answers for Topic #8	TBA

Date: 4/27/2010 6:00:00 PM

Topic #9 CNS Imaging

3.0 category A credits

This course provides an overview of CT imaging of the central nervous system. Within this three-hour program the attendee will be presented the anatomy, pathology and imaging techniques for the brain, spine and associated structures.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	9.1 Sectional Anatomy Overview of the Brain & Spine	Carolyn Roth
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	9.2 CT of the Brain	Mike Long
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	9.3 CT of the Neck	Mike Long
09:20 pm – 09:30 pm	Questions and answers for Topic #9	Mike Long

Date: 5/4/2010 6:00:00 PM

Topic #10 Musculoskeletal Imaging

3.0 category A credits

This course provides an overview of CT imaging of the body. Within this three-hour program the attendee will be presented the anatomy, pathology and imaging techniques for abdomen, pelvis and musculoskeletal system and associated structures.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	10.1 Musculoskeletal Sectional Anatomy	Carolyn Roth
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	10.2 CT of the Musculoskeletal System	TBA
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	10.3 CT of the Spine	Steven Mills
09:20 pm – 09:30 pm	Questions and answers for Topic #10	Steven Mills

Date: 5/11/2010 6:00:00 PM

Topic #11 Body Imaging

3.0 category A credits

This course provides an overview of CT imaging of the body. Within this three-hour program the attendee will be presented the anatomy, pathology and imaging techniques for chest (including cardiac) and neck and associated structures.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	11.1 Sectional Anatomy of the Body (Chest, Abdomen, Pelvis)	Carolyn Roth
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	11.2 CT of the Abdomen & Pelvis	TBA
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	11.3 CT of the Chest	TBA
09:20 pm – 09:30 pm	Questions and answers for Topic #11	TBA

Date: 5/18/2010 6:00:00 PM

Topic #12 CT Registry Review

3.0 category A credits

This course provides a full review of all aspects of CT imaging. Within this three-hour program the attendee will be presented a review of the entire course in order to prepare for the CT Boards.

06:00 pm – 06:20 pm	Sign in and Registration for evening course	
06:20 pm – 06:30 pm	Break (soft drinks provided)	
06:30 pm – 07:20 pm	12.1 What do the Content Specification say about the "CT Boards" & What are the Clinical Requirements?	Carolyn Roth
07:20 pm – 07:30 pm	Break (snack and soft drinks provided)	
07:30 pm – 08:20 pm	12.2 Imaging Procedures & Patient Care Review	Joy Fox
08:20 pm – 08:30 pm	Break (soft drinks provided)	
08:30 pm – 09:20 pm	12.3 Physics and Instrumentation	TBA
09:20 pm – 09:30 pm	Questions and answers for Topic #12	Joy Fox