



Imaging Education Associates is pleased to offer...

Virtual Accelerated Internship Programs in CT (Computed Tomography) for the RT!

Offered online and on demand from anywhere in the world.

YOUR HOME! YOUR PACE! YOUR CREDITS!

This all-inclusive program will provide 36 hours of lectures covering the basic concepts of **CT (Computed Tomography)**. We also offer **MRI (Magnetic Resonance Imaging)**, **Ultrasound(Sonography)**, and coming soon, **Mammography**. Each 12 topic lecture module will be available to you on line and on demand (24 hours a day / 7 days a week).

*Please note you will have access to the courseware for **1 year** after the date of purchase*

Information for Technologists Regarding Virtual Topics:

- This course will be available at your convenience 24 hours a day / 7 days a week.
- Includes the Virtual component (36 hours of on-line video lectures, on-line and on-demand).
- Each course includes 12 topics.
- Each topic includes three lectures complete with... streaming video, power point visual aids, handouts, worksheets, discussion forum and a course evaluation survey.
- Each topic is worth category "A" credits provided it has been completed as designed.
- The actual number of credits will vary by topic.
- To get your credits, you must **view** the video module, then **complete** the post test by passing score of **75% or higher**. (This is according to the ARRT, ASRT and SMRT standards for continuing education)

For a Free demonstration of the on-line video lectures go to www.imaginged.com. In the upper right hand corner of the "Home Page" you will find a "How to" video. For directions for how to access our on-line courseware, print the "Virtual Course Directions" flyer.

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.

Registration and Fees for the Program:

- Go to www.imaginged.com
- From the home page:
 - Choose your choice of Imaging Modality (MRI,CT or US)
 - Choose Course Method (Virtual)
 - Choose Course Type (Full Course or Individual Modules)
- Registration Fees
 - Full course - \$1500.00 (Includes: 12 Topics x 3 video lectures for a total of 36 hours of video lectures)
 - Individual modules - \$135 per topic (Each topic includes 3 video lectures)
 - Approved for Category "A" credits (The exact number of credits will vary by topic).

Virtual CT Lectures!

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. <i>Discussion forum is always open for your questions</i>		
CT 1.1	The Very, Very Basics of Computed Tomography	Joanne Niewood
CT 1.2	Planes & Image Processing	Joanne Niewood
CT 1.3	The Past, Present and Future of CT	Joanne Niewood
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. <i>Discussion forum is always open for your questions</i>		
CT 2.1	The General Patient Care in Imaging	Joy Fox
CT 2.2	Review Pharmacology & Venipuncture	Joy Fox
CT 2.3	Radiation Safety in CT	Joy Fox
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. <i>Discussion forum is always open for your questions</i>		
CT 3.1	Contrast Media Principles	Joy Fox
CT 3.2	Iodinated Contrast Media Adverse Effects	Joy Fox
CT 3.3	Contrast Media Doses in CT	Joy Fox
Topic#4	X-Ray Physics Review	3.5 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. <i>Discussion forum is always open for your questions</i>		
CT 4.1	Radiation Biology & Protection Review	Joy Fox
CT 4.2	Equipment & Production of X-Ray	Scott Cupp
CT 4.3	X-Ray Physics Interactions	Scott Cupp
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. <i>Discussion forum is always open for your questions</i>		
CT 5.1	Scanner Generations & Imaging System Hardware	Joanne Niewood
CT 5.2	Ancillary Equipment (Detectors, Computer System, Display, Storage, & Communication)	Joanne Niewood
CT 5.3	Injectors in CT	Dave Cressman
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. <i>Discussion forum is always open for your questions</i>		
CT 6.1	Data Acquisition	Joanne Niewood
CT 6.2	MDCT Acquisition & Image Reconstruction	Joanne Niewood
CT 6.3	Intro to Digital Imaging	Joy Fox

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. . **Discussion forum is always open for your questions**

CT 7.1 SNR and Technique	Bill Faulkner
CT 7.2 Multi-Detector CT (MDCT) and Helical	Bill Faulkner
CT 7.3 Image Display & Post Processing	Candi Roth

Topic #8 **Advanced CT** *Credits pending final approval*

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. . **Discussion forum is always open for your questions**

CT 8.1 CT Angiography (CTA)	Carolyn Roth
CT 8.2 CT of Stroke	Carolyn Roth
CT 8.3 CT of Cardiac	Dave Cressman

Topic #9 **CNS Imaging** *Credits pending final approval*

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. . **Discussion forum is always open for your questions**

CT 9.1 Sectional Anatomy Overview of the Brain & Spine	Carolyn Roth
CT 9.2 CT of the Brain	Carolyn Roth
CT 9.3 CT of the Neck	Carolyn Roth & Mike Long

Topic #10 **Musculoskeletal Imaging** *Credits pending final approval*

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. . **Discussion forum is always open for your questions**

CT 10.1 Musculoskeletal Sectional Anatomy	Carolyn Roth
CT 10.2 CT of the Musculoskeletal System	Carolyn Roth & Joy Fox
CT 10.3 CT of the Spine	Carolyn Roth & Joy Fox

Topic#11 **Body Imaging** *Credits pending final approval*

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. . **Discussion forum is always open for your questions**

CT 11.1 Sectional Anatomy of the Body (Chest, Abdomen, Pelvis)	Carolyn Roth
CT 11.2 CT of the Abdomen & Pelvis	Mike Long & Joy Fox
CT 11.3 CT of the Chest	Mike Long & Joy Fox

Topic#12 **CT Registry Review** *Credits pending final approval*

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. . **Discussion forum is always open for your questions**

CT 12.1 What do the Content Specification say about the "CT Boards" & What are the Clinical Requirements?	Carolyn Roth
CT 12.2 Imaging Procedures & Patient Care Review	Joy Fox
CT 12.3 Physics and Instrumentation	Bill Faulkner

Discussion forum is always open for your questions