

# Preparing for the Limited License Core Exam in Radiologic Technology

2023

Presented by Ray Winters, M.S., RT(R)(CT)  
Emeritus Radiography Program Director at Arkansas State University

## Friday Evening:

6:00 - 8:15     **Basic Physics and X-ray Production, X-ray Circuit and Tube Heat Management**  
*A look at the basic principles of physical science essential to an understanding of x-rays and their use. Includes the basic concepts of matter, energy, and electricity and relates these principles to radiography. Also includes x-ray tube structure, function and heat dissipation, and how these factors affect the primary beam*

## Saturday Morning and afternoon:

8:00 - 8:40     **Beam Characteristics, Scatter Radiation and its Control**  
*A look at the basic characteristics of the x-ray beam, as well as scatter radiation production and control.*

8:45 – 10:20   **Image Production and Evaluation**  
*A look at technical factors and their effects on the image*

10:20 – 11:20   **Radiobiology & Radiation Protection**  
*The basics of how radiation effects human and how to protect yourself and the patient.*

11:30 - 12:30   **LUNCH on your own**

12:30 - 1:10    **Aspects of Patient Care**  
*A look at the basic aspects of patient care required of the technologist.*

1:15 – 1:45     **Formulating X-ray Techniques**  
*The basics of kVp, mA and time, plus developing a technique chart.*

1:45 - 2:00     **Digital Imaging**  
*The basics of digital imaging technology as required by the ARRT*

2:00 – 2:25     **Mock Limited Exam** (results will be given in class.)

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## Dates and Place of the Seminar:

March 31 & April 1	Pleasant Valley Church of Christ (enter through the gym/family center)	10900 Rodney Parham	Little Rock
Sept 1 & 2	Pleasant Valley Church of Christ (enter through the gym/family center)	10900 Rodney Parham	Little Rock

**NOTE:** The Saturday portion of the Prep Seminar can be used for the required 6 hours Continuing Education. Simply call and reserve a spot for CE. The Cost for CE is \$100.

**Cost: \$350 payable at the door**  
(Make checks payable to Ray Winters)

Seating for each session is limited and pre-registration is suggested by calling (870) 974-3816 (cell) or (870) 972-1883 (leave message) or email [rwinters@astate.edu](mailto:rwinters@astate.edu)