LANDAUER®

Medical Radiation Safety Officer Training

Receive ASRT Credits*

* Pending ASRT approval

27 Hour Comprehensive Course

LANDAUER Global Headquarters | LaBanque Hotel

September 27-29, 2022

For the demands of today's Medical Radiation Safety Officer

Limited to 30 students for small group exercises

Learn new skills from classroom and hands-on training to help you understand, perform and manage all functions required of today's Medical RSO

Who Should Attend:

Current and prospective RSOs and authorized users who want to extend their knowledge

Health physics technologists, technicians, or administrators with limited radiation safety responsibilities

Faculty

Mirela Kirr, MS

Technical Services Director at Landauer, Inc.

Mirela Kirr holds a Masters Degree in Health Physics from Illinois Institute of Technology and has more than 20 years experience in radiation dosimetry and health physics.

She is the Vice President, Radiological Services and Regulatory Affairs for LANDAUER, where she is responsible for Radiological Services which includes dosimetry and radiological instrument calibration. In addition, Mirela is responsible for dosimetry accreditation and overall regulatory affairs for FHS.

David Knight

Regional Director - Imaging Physics

David Knight has served as the Regional Director for Landauer Medical Physics Mid-South & Great Lakes regions for the last 6 years. His background is in Radiology and Nuclear Medicine, and he worked in the clinical setting for 15 years prior to entering Medical Physics. During his time in the clinical arena, David was blessed to work in many different capacities, including Staff Technologist, Lead Technologist, Supervisor, and Radiology Director. The experiences he gained leading the day-to-day operations of a hospital department have been a huge asset for LANDAUER clients and the Medical Physics team.

Shawn Pickett, MBA, BSRS, CNMT, NMTCB(RS), RT(CT), CLSO-M

Practice Director, Radiation Safety Support, Fluke Health Solutions

Shawn Pickett is the Radiation Safety Support Services Director for LANDAUER Medical Physics. After spending many years as a Nuclear Medicine Technologist in Texas, Shawn took on a role as Supervisor of Nuclear Medicine for a large healthcare system. Currently, Shawn is working with LANDAUER to develop a team of Radiation Safety Officers to support clients in the medical use of radiation nationwide. Shawn has been the named RSO on many medical use licenses in multiple states, and he has advised hundreds of clients across the country on the safe use of radiation.

Course Schedule

Tuesday, 8 a.m. - 5 p.m.

Intro & Overview: 1 hour

- Introductions and go over Agenda

Health Physics Basics: 1 hour

- Describe the types of radiation you can encounter in the medical environment.
- Identify half-lives of commonly used isotopes in the hospital environment.
- Summarize the components of an ALARA program.
- Regulations and Standards: 2 hours
- Discuss complex regulations pertaining to medical radiation.
- Compare NUREG to Regulations and Regulatory Guides.
- Examine State Regulations vs Federal Regulations.

Lunch Discussion: 1 hour

- Recap what has been learned so far.
- Discuss common concerns faced in your own environment.
- Discuss roadblocks that keep you from doing what is needed.

Dosimetry: 2 hours

- Describe how to manage a dosimetry program.
- Interpret how to read a report.
- Explain reporting requirements.
- Estimate Fetal Dose calculation.
- Managing the Radiation Protection Program: 2 hours
- Discuss different approaches to staff protection.
- Interpret fetal dose requirements.
- Describe the components of an annual review.

Wednesday, 8 a.m. - 5 p.m.

Instrumentation Overview: 2 hours

- Compare the types of meters you can use.
- Employ contamination prevention and cleanup.
- Discuss QC/QA requirements.
- Managing the overall Hospital Environment: 2 hours
- Compare different modalities in a radiology department.
- Explain the role of the RSO.
- Discuss radiation with patients and staff.

Lunch Discussion: 1 hour

- Recap what has been learned so far.
- Discuss radiation safety concerns you might have.
- Discuss resources available to you online.
- Nuclear Medicine Environment: 2 hours
- Recognize imaging and hot lab instrumentation.
- Explain waste management and best practices.
- Identify recordkeeping requirements.

Radioisotope Therapy: 2 hours

- Recognize the common types of radioisotope therapy offered.
- Explain waste management and best practices.
- Discuss radiation protection regarding therapy.
- Identify recordkeeping requirements.

Thursday, 8 a.m. - 4 p.m.

DOT: 3 hours

- Discuss who needs training and what training requirements are needed.
- Demonstrate preparing a package.
- Demonstrate receiving a package.
- Discuss state requirements and DOT regulations.

Lunch Discussion: 1 hour

- Recap what has been learned so far.
- Discuss radiation safety concerns you might have.
- Discuss resources available to you online.

Factory Tour: 4 hours

- Explain how radiation dosimeters are manufactured.
- Demonstrate how radiation dosimeters are analyzed.
- Differentiate the different dosimeters available.
- Describe the history of the process and the company.

Q&A: 1 Hour

General Information

LANDAUER Global Headquarters

Students will take a special guided tour of the LANDAUER dosimetry manufacturing plant. Students will gain understanding of the unique end-to-end OSL dosimeter process and learn about the dosimetry chain of custody safeguards offered to clients. A global leader in radiation safety, LANDAUER serves 80% of U.S. hospitals to help manage occupational safety and provide unparalleled informatics to help manage their radiation safety programs.

Class Location

To accommodate classroom exercises, sessions will be held at the conference center at LaBanque Hotel in Homewood, IL.

Accommodations

LaBanque Hotel
(Class location)
2034 Ridge Rd.
Homewood, IL 60430
708-798-6000
labanquehotel.com

Mention LANDAUER when booking to receive a discount.

Additional local accommodations include:

Homewood Suites
9120 Calumet Ave
Munster, IN 46321
219-836-5320

Best Western
17345 Halsted St
South Holland, IL 60473
708-825-1856

Travel

Travel to either Chicago's O'Hare International Airport or Midway International Airport. A rental car is recommended to get to the training locations and your hotel.

Dining and Dress Code

The area offers many options from fine dining to local brew pubs. Dress code for class is casual.

Weather

Chicago in late September averages between 57-75 degrees Fahrenheit with occasional rainfall.

Register at landauer.com/RSO-training