

CURE Institute of Health Physics

Radiation Safety Services & Training



CURE Institute of Health Physics
tel 703 451 4860 877 987 CURE (2873)
www.cure.lu www.bestcure.md



**Best
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FOUNDATION

RSO SERVICES

part-time • full-time • short-term • long-term • permanent

Radiation Safety Officer Services

- Do RSO duties interfere with the primary duties of one of your staff members?
- Are you using good radiation safety procedures in compliance with the ALARA principle (radiation dose is As Low As Reasonably Achievable)?
- Are your licenses, registrations, and safety training programs up to date?
- Could your RSO use an assistant?



RSO Services is your resource for a complete line of radiation safety services. We can assist your existing RSO on a temporary or permanent basis, part-time or full-time. If the person who serves as your RSO has a different primary role, our service can free up that person to perform his/her primary job function.

With this service CURE Institute of Health Physics administers the radiation safety and badging program at your facility. You save time and money by utilizing a professional with technical credentials and substantial experience to manage your RSO duties efficiently and resolve radiation safety issues expeditiously.

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Why use RSO Services from CURE Institute of Health Physics?

CURE Institute of Health Physics is part of Best Cure Foundation, a non-profit organization committed to making quality healthcare and education affordable and accessible globally.

CURE Institute of Health Physics can draw from a diverse group of experienced health and medical physicists with special expertise in areas such as shielding, personnel dosimetry, transport of radioactive materials, radiation instrumentation calibration and repair, regulatory compliance, sealed and unsealed source handling, new installations, and more.

RSO Services Available:

- Licensing
- Device registration
- Interfacing with regulators
- Radiation safety inspections
- Radiation safety committee participation
- Maintenance of personnel dosimetry program
- Responding to radiological incidents and emergencies
- Investigation and documentation of overexposures
- Receipt and shipping of radioactive materials
- Disposal of radioactive materials
- Radiation safety training
- Insure that dosimetry records for each employee are current
- Review, maintain and interpret radiation dose reports
- Advise staff about ALARA
- Advise on use of radiation monitoring instruments
- Provide technical advice on radiation related questions
- Provide monthly report of activities and recommendations

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RADIATION SAFETY TRAINING COURSES

Radiation Safety Training Courses

- Can your staff benefit from radiation safety by experienced professionals?
- Are you using good radiation safety procedures in compliance with the ALARA principle (radiation dose is As Low As Reasonably Achievable)?
- Do you have documentation of radiation safety training to help reduce liability for unwarranted radiation injury claims?



CURE Institute of Health Physics offers an extensive range of Radiation Safety Training courses. The training courses are available on-line and in classroom settings in the U.S. and Canada. The courses are also designed for varying levels of expertise from basic to advanced. Courses suitable for staff members from veterinary and dental practices with only one x-ray machine are available. At the same time courses suitable for staff members from large teaching hospitals and research facilities with an array of radiation generating machines and radioisotopes are also offered.

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RADIATION SAFETY TRAINING COURSES

Classroom Based Courses from CURE Institute of Health Physics

All classroom based courses include a CD of slide presentations, printed materials relevant to the course subject matter, and refreshments.

Basic Radiation Safety • 2 Days • \$1,200.00

Course is designed for anyone who deals with radiation sources or radiation producing equipment.

Topics include:

- Structure of matter
- Radioactivity and radiation
- Terminology
- Biological effects of radiation
- Regulations
- Radiation dose limits
- Radiation quantities and units
- Controlling radiation exposure
- Radiation detectors and instruments
- Packaging, labeling, and transport of radioactive materials



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RADIATION SAFETY TRAINING COURSES

Radiation Safety in Fluoroscopy — Patients & Staff • 2 Days • \$1,200.00

Course is intended for radiologists, cardiologists, technologists, and other health care professionals who perform fluoroscopic exams.

Topics include:

- Physical principles of radiation protection
- Time – Distance – Shielding
- Radiation health effects
- ALARA Principle
- Radiation monitoring instruments
- Personnel dosimetry
- Minimizing radiation dose to physician and staff
- Fluoroscopy equipment and facilities
- Imaging gently in fluoroscopy
- Minimizing radiation dose to patients in fluoroscopy exams
- Considerations when imaging children



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RADIATION SAFETY TRAINING COURSES

Radiation Safety in CT — Patients & Staff • 2 Days • \$1,200.00

Course is intended for radiologists, cardiologists, technologists, and other health care professionals who perform CT exams.

Topics include:

- Physical principles of radiation protection
- Time – Distance – Shielding
- Radiation health effects
- ALARA Principle
- Radiation monitoring instruments
- Personnel dosimetry
- Minimizing radiation dose to physician and staff
- CT equipment and facilities
- Imaging gently in CT
- Minimizing radiation dose to patients in CT
- Considerations when imaging children



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RADIATION SAFETY TRAINING COURSES

Basic Radiation Safety Officer Training • 5 Days • \$1,500.00

Course presents the basics for the non-health physics professional who is the appointed RSO at facilities such as veterinary practices, imaging centers, community hospitals, pharmaceutical companies, non-destructive testing companies, cardiology practices, biomedical companies, research laboratories, oil service companies, etc.

Topics include:

- Structure of matter
- Basic physics
- Radioactive decay
- Radiation interactions with matter
- Radiation detection instruments
- Biological effects
- Shielding
- Personnel monitoring
- Regulations and licenses
- Documentation
- ALARA
- Transportation of radioactive materials
- Disposal of radioactive materials
- Emergencies



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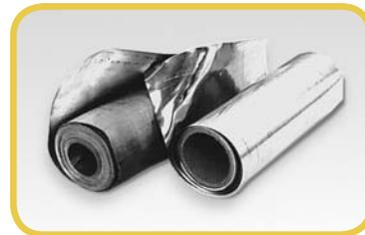
RADIATION SAFETY TRAINING COURSES

Radiation Safety Officer Training • 5 Days • \$1,500.00

Course presents the basics for the health physicist, medical physicist, scientist, physician, or technologist who serves as the Radiation Safety Officer.

Topics include:

- Structure of matter
- Basic physics
- Radioactive decay
- Radiation interactions with matter
- Radiation detection instruments
- Biological effects
- Shielding
- Personnel monitoring
- Regulations and licenses
- Documentation
- ALARA
- Transportation of radioactive materials
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RADIATION SAFETY TRAINING COURSES

Radiation Safety in Non-Destructive Testing • 3 Days • \$1,500.00

Course is designed for field technicians, supervisors and managers who use gamma cameras for non-destructive testing.

Topics include:

- General information
- Structure of matter
- Radiation and radioactivity
- Measurement of radiation
- Biological effects of ionizing radiation
- Control of radiation exposure
- Federal standards for radiation protection
- Radiographic equipment
- Emergencies
- Transportation
- Case histories of radiography incidents
- Appendix A - Tables including radioisotope data, half layer values, metric versus traditional units, radiation units
- Appendix B - Figures, decay schemes, decay tables
- Appendix C - Glossary



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RADIATION SAFETY TRAINING COURSES

Transport of Radioactive Materials • 2 Days • \$1,200.00

Course is intended for anyone involved in the transportation of radioactive materials.

Topics include:

- Dangerous goods regulations and compliance MSDS & radiation safety
- Safety
- Hazardous materials
- Packaging and testing, Type A/Type B
- Special Form and Normal Form, Limited Quantity
- Labeling
- Paperwork
- Consequences of non-compliance



**Many other courses
are available, including:**

- ALARA for Physician, Technologist and Patient
- Radiation Safety for Veterinary Practices
- Radiation Shielding Design
- Handling of Radioactive Materials in Medical Facilities
- Personnel Dosimetry
- Radiation Detection Instruments

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Business Reply Card

Fax to 703 451 0922

Please fill out and fax back this Business Reply Card to receive more information about any of our services/courses.

ATTENTION: RICHARD OSWALD, Ph.D.

Fax/E-mail/Call:

Richard A. Oswald, Ph.D.
Director, CURE Institute of Health Physics
7643 Fullerton Road
Springfield, VA 22153 USA
tel 949 212 7636 fax 703 451 0922
Best Cure main office 877 987 CURE (2873)
richard.oswald@cure.lu

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Please send more information on:

Radiation Safety Officer Services

RADIATION SAFETY TRAINING COURSES:

- Basic Radiation Safety
- Radiation Safety in Fluoroscopy – Patients & Staff
- Radiation Safety in CT – Patients & Staff
- Basic Radiation Safety Officer Training
- Radiation Safety Officer Training
- Radiation Safety in Non-Destructive Testing
- Transport of Radioactive Materials
- ALARA for Physician, Technologist & Patient
- Radiation Safety for Veterinary Practices
- Radiation Shielding Design
- Handling of Radioactive Materials in Medical Facilities
- Personnel Dosimetry
- Radiation Detection Instruments

Name

Department

Hospital/Institution

Street

City

State/Province

Zip/Postal Code

Country

Email

Phone

Fax



