

Outcome

To be recognised as a Radiation Safety Officer across Australia.

Audience

People who deal with Radiation Safety issues on an irregular to regular basis, and may deal predominantly with Radiation Safety issues in a variety of work locations.

The range of devices may include X-ray devices, radiation sources sealed and unsealed in the laboratory, irradiators, transport and storage of radioactive materials.

The range of responsibilities may include:

- review of radiation safety management & risk assessment plans
- transport and storage of radioactive material
- selection of instrumentation and equipment for purchase and use on site with ionising radiation
- review of operating procedures with regards to ionising radiation.

The industries from which people attend are varied from regulators, universities, hospitals, research institutions, veterinary practices, radiation instrument detection manufacturers, irradiator facilities, first responders and defence.

Assumed basic knowledge of maths and science.



Course Content

General Radiation Protection Sessions

- The Scientific Background
- Units used in Radiation Protection
- Radiation Protection Principles
- External Radiation Protection

- Internal Radiation Protection
- Workshop: Shielding & half value layers
- Biological effects of radiation
- Ionising radiation in the environment

Specialised Radiation Protection Sessions

- Legislation governing ionising radiation usage in Australia
- Workshop: Role of the Radiation Safety Officer & Codes of Practice
- Workshop: Developing a radiation management plan
- Workshop: Radiation protection calculations
- Safe use of X-ray & radiation devices
- Workshop: Safe transport of radioactive materials
- Workshop: Radiation protection scenarios
- Safety assessment planning and review
- Accident & Emergency, Responses, Codes & Standards

Instrumentation Sessions

- Radiation detection and measurement
- Practical: Dose rate surveys
- Practical: Contamination and decontamination survey

Duration

3 days, 8:30am – 5:00pm

Cost

\$1500 + GST

Tour of an aspect of ANSTO facilities relevant to Radiation Protection Systems

For more information or a quote please contact Radiation Safety Training:

Radiation Safety Educator or Radiation Safety Co-ordinator

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