General radiation safety officer (3 days)

**Outcome**
To be recognised as a Radiation Safety Officer in some states.

**Audience**
People who deal with radiation safety issues on a irregular to regular basis, and may deal predominantly with radiation safety issues regarding the laboratory.

The range of devices may include x-ray devices, radiation in the laboratory (such as 99mTechnicium, 35 Sulphur, 32 Phosphorus, 125 Iodine etc), transport and storage of radioactive materials.

The range of responsibilities may include writing radiation safety management plans, risk assessment, transport and storage of radioactive materials, radiation safety training and supervision of staff, purchase and selection of instrumentation and equipment.

The industries from which people attend are varied from regulators, universities, hospitals, research institutions, radiation instrument detection manufacturers, 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
- Practical: Shielding
- Internal Radiation Protection
- Biological effects of radiation
- Background Radiation

**Specialised Radiation Protection Sessions**
- Legislation governing ionising radiation usage in Australia
- Workshop: Radiation protection calculations
- Safe use of x-ray devices
- Workshop: Safe Transport of Radioactive Materials
- Workshop: Radiation Protection Scenarios
- Safety assessment planning and review
- Planning for emergencies

**Instrumentation Sessions**
- Radiation detection and measurement
- Practical: Dose Rate Surveys
- Practical: Contamination survey
- Practical: Decontamination

**Duration**
3 days, 8:30am – 5:00pm

**Cost**
$1500 + GST

For more information or a quote please contact Radiation Safety

Radiation Safety Co-ordinator       Ph: +61 2 9717 9434       Email: safetytraining@ansto.gov.au