

ADVANCED RADIATION SAFETY OFFICER (RSO) Course Syllabus

Overview

Radsol offers a range of discrete RSO licensing courses specifically developed for single radiation purposes or use. This Advanced RSO course combines the learning outcomes of multiple radiation purposes and offers further advanced level learning and techniques for an RSO to enhance their capabilities in the workplace.



In addition to a range of RSO & Licensing outcomes relating to the below radiation purposes, this course offers further training in the areas of radiological risk assessments, enhanced survey meter use, analytical techniques, counting statistics, radioactive waste management, and dealing with Security Enhanced Sources.

To become an Appointed Radiation Safety Officer (RSO) for the purposes of NORM, multiple requirements need to be met. The Advanced RSO Training Course is a thorough introduction to individuals wishing to be mentored into the position of a NORM RSO.

This course equips participants with the skill and knowledge requirements to design and oversee radiation management in the workplace, including aspects such as:

- **Naturally Occurring Radioactive Materials (NORM):** Radioactive material and radiation exposure assessment, including contaminated equipment; protection principles, hygiene, and PPE requirements; regulatory framework and responsibilities; and implementation and oversight of Radiation Management Plans (RMP).
- **Fixed & Portable Radiation Gauges:** Import; installation; auditing and compliance; radiation monitoring; wipe (contamination) testing; transport and storage; emergency response and disposal.
- **Transport of Radioactive Materials:** Consigning; load management; storage & source security; legislative compliance and emergency response.
- **Industrial X-ray Equipment:** Auditing and compliance; radiation monitoring; legislative compliance; and incident response.

About this Course

The Radiation Safety Act 1975 requires that the use of NORM, Industrial Radiation Gauges, Industrial X-ray Equipment, and the Transport of Radioactive Material is performed under the supervision of a competent and licensed person.

This course is aligned with the following ARPANSA Codes of Practice:

- Code of Practice for the Safe Use of Fixed Radiation Gauges
- Code of Practice for Portable Density/Moisture Gauges Containing Radioactive Sources
- Code of Practice and Safety Guide for the Safe Transport of Radioactive Material
- Code of Practice for the Safe Use of X-ray Analysis Equipment

A moderate level of mathematical understanding is required to successfully complete this course.

Course Details

Location:	West Leederville, WA
Duration:	Five days
Times:	8:00 am – 4:30 pm (approx.)
Cost:	\$3750 + GST

Course Variations

Custom presentation and training packages are available to meet your organisation's needs, with training that can be delivered on-site on a date that suits you.

For custom course development and delivery, please get in touch with our training team at +61 (08) 6117 4095 or training@radsol.com.au.

Course Structure

- An Introduction to Radiation
- Radiation in Perspective
- Radiation Dose, Measurement & Protection Principles
- Regulatory Considerations
- Procedures: Radiation Management Systems; Security; Emergency Response
- Focused Radiation Purposes: NORM; Fixed & Portable Radiation Gauges; Transport of Radioactive Material; X-ray Analysis Equipment
- Analytical techniques; Counting Statistics; Radioactive Waste Management; Security Enhanced Sources
- Practical Activities Integrated throughout the course.
- Practical & Theoretical Assessment

Assessment

There are multiple practical exercises and activities throughout the course, and theoretical understanding is assessed against Radiological Council requirements.

Certification

A Statement of Attainment is issued upon successful completion of this course.

This course is recognised as a pre-requisite for licensing in all Australian States & Territories.

Why work with Radsol?

We have proven know-how and reliability, with a reputation for prompt and professional service throughout Australia.

Our consultants are highly skilled with extensive experience working in regulatory and industrial radiation management capacities; they are commended for their ability to talk about radiation safety in simple terms and to put the risks into a real-world perspective.

We're here to help no matter what you require in the field of radiation management and can deliver a timely and customised solution to suit your needs.

