

Advanced Radiation Safety Officer (RSO) Course Syllabus

Course Overview

This course offers an advancement on RSWA's core licensing courses in the areas of radiological risk assessments; enhanced survey meter use; analytical techniques; radioactive waste management; and dealing with Security Enhanced Sources.

This course caters to individuals responsible for designing and supervising radiation management systems in various work environments, particularly in the fields of oil and gas, mining, energy, education, and research.

RSWA has a streamlined and customised assessment approach (endorsed by regulators) that offers various licensing outcomes for those interested in pursuing this option.

This course focuses on the following areas:

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 (X-ray Analysis & Portable XRF): Auditing and compliance; radiation monitoring; legislative compliance; and incident response.

Naturally Occurring Radioactive Materials (NORM): Unsealed 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).

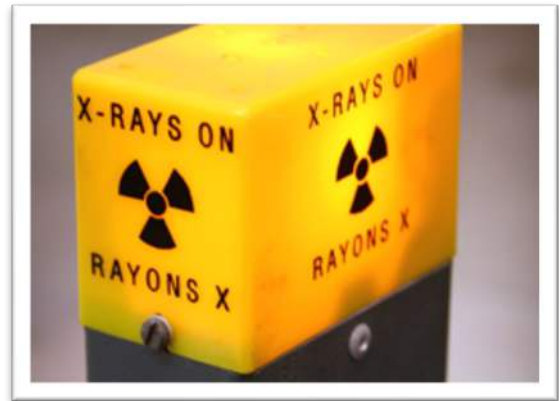


Course Details

Location: Osborne Park, WA
Duration: 5 days
Times: 08:30 to 17:00 (approx.)
Cost: \$3750

Course Variations

We can tailor the presentation of this course to meet your company's specific needs. If you would like us to deliver this course at your premises, or present on a specific date of your choosing, please contact us so we can customise to your specifications.



Course Structure

- Radiation & Radioactivity
- Radiation in Perspective
- Radiation Protection Principles (External and Internal)
- Regulatory Considerations
- Procedures: Radiation Management Systems; Security; Incident Response
- Focused Radiation Purposes: Fixed Radiation Gauges; Transport of Radioactive Material; X-ray Analysis Equipment (including Portable XRF); and NORM.
- Analytical techniques; Waste Management & Disposal; Security Enhanced Sources
- Practical Activities integrated throughout the course
- Practical & Theoretical Assessment

About this Course

It is a requirement under the Radiation Safety Act 1975 that radiation sources (radioactive material both sealed and unsealed) and x-ray devices are managed by a competent and licensed person.

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

- RPS 13 - Fixed Gauges Code
- RPS C-2 - Transport Code
- RHS 9 - X-ray Analysis Code
- RPS 9 - NORM Code

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

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 for the following purposes:

- Fixed Radiation Gauges
- Transport of Radioactive Material
- X-ray Analysis; Portable XRF; & Cabinet (Security) X-ray devices

The following purposes are varied and complex and approval for licensing purposes will depend upon the individual's experience and circumstances – please call RSWA to discuss your specific situation prior to booking your attendance:

- NORM (Storage, pending disposal; Analytical Laboratories)
- Education and Research (Tertiary and Secondary education)



Why choose Radiation Services WA?

We have proven know-how and reliability, with a reputation for prompt and professional service throughout Australia - our trainers have extensive experience having worked in regulatory and industrial radiation management capacities.

Our personnel have been commended for their ability to talk about radiation safety in simple terms and to put the risks into real-world perspective.

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