

Common SI Unit Prefixes

10 ¹²	tera	T	10 ⁻³	milli	m
10 ⁹	giga	G	10 ⁻⁶	micro	μ
10 ⁶	mega	M	10 ⁻⁹	nano	n
10 ³	kilo	k	10 ⁻¹²	pico	p

Radioactivity

The SI unit for activity is the becquerel (Bq).

$$1 \text{ Bq} = 1 \text{ decay per second}$$

The customary unit for activity is the Curie (Ci).

$$1 \text{ Bq} = 2.7 \times 10^{-11} \text{ Ci}$$

$$1 \text{ Ci} = 3.7 \times 10^{10} \text{ Bq} = 37 \text{ GBq}$$

$$1 \text{ Bq} = 27 \text{ pCi} \quad 1 \text{ nCi} = 37 \text{ Bq}$$

$$1 \text{ kBq} = 27 \text{ nCi} \quad 1 \text{ μCi} = 37 \text{ kBq}$$

$$1 \text{ MBq} = 27 \text{ μCi} \quad 1 \text{ mCi} = 37 \text{ MBq}$$

$$1 \text{ GBq} = 27 \text{ mCi} \quad 1 \text{ Ci} = 37 \text{ GBq}$$

$$1 \text{ TBq} = 27 \text{ Ci} \quad 1 \text{ kCi} = 37 \text{ TBq}$$



Good Science in Plain Language®

Founded in 1980, the Radiation Safety Institute of Canada is an independent, national organization dedicated to promoting and advancing radiation safety in the workplace, in the environment and in the community. Our commitment to the principle of “good science in plain language®” underpins everything we do.

The Radiation Safety Institute of Canada is incorporated under the laws of Canada as a not-for-profit corporation and is also a registered charity.

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2025 RADIATION SAFETY OFFICER (RSO) CERTIFICATE COURSES



Benefit from 40+ Years of Our Experience.
 Get Trained. Get Certified. Be Prepared.



Radiation Safety Institute of Canada
 Institut de radioprotection du Canada



Radiation Safety Officer (RSO)

COURSE DETAILS

This **five-day premier Certificate Program** is designed to prepare participants to successfully assume the Radiation Safety Officer role at a workplace that uses radioactive materials or radiation devices under the regulatory oversight of the Canadian Nuclear Safety Commission. The Program will help participants understand the fundamentals of radiation safety and teach them to confidently apply the scientific, regulatory and practical principles in their everyday work.

TARGET AUDIENCE

Those who are or will be responsible for radiation protection and safe operation involving the possession and use of radioactive materials, open and sealed sources, nuclear gauges, radiography cameras, and other radiation devices in a workplace.

LEARNER OUTCOMES

- Knowledge of radiation safety theory and practices
- Ability to develop and implement a quality Radiation Protection Program
- Understanding of the Nuclear Safety and Control Act and Regulations
- Understanding of the CNSC Licensing requirements and process
- Capacity to provide employee radiation safety awareness training

COURSE PREREQUISITES

There are no prerequisites to this course



Refresher Course (RSOR)

COURSE DETAILS

This **two-day course**, split over real-time class and self-directed e-Learning, builds on your existing knowledge of radiation safety. It is designed to reinforce your understanding of regulations and the best practices. It is the regulator's expectations that active RSOs will update their training regularly.

TARGET AUDIENCE

Active Radiation Safety Officers looking to refresh their skills and knowledge base (suggested frequency is every 3 years).

LEARNER OUTCOMES

- Awareness of revisions and changes to CNSC regulations
- Ability to take new approaches to practical radiation safety challenges
- Enhanced Radiation Safety Program implementation skill-sets
- Understanding of the CNSC licence renewal application process
- Benefit of networking with your peers

COURSE PREREQUISITES

RSO training

2025 IN PERSON & WEB-BASED LIVE COURSES

RSO COURSE

\$2796.80 + applicable taxes

- Jan. 13 – 17
- Feb. 24 – 28
- Apr. 7 – 11 (CST)
- May 5 – 9

- Jul. 7 – 11
- Sept. 8 – 12
- Oct. 20 – 24
- Nov. 17 – 21

RSOR COURSE

\$1148.50 + applicable taxes

- Jan. 27 – 28
- Apr. 22 – 23
- Sept. 17 – 18
- Nov. 5 – 6

Courses are offered in Eastern Time unless otherwise stated.

● Online

■ In person (Toronto)

HOW TO REGISTER



Register in a few clicks at radiationsafety.ca



Call us at 1-800-263-5803 or (416) 650-9090 ext. 221



Email us at info@radiationsafety.ca

GET STARTED NOW AND GET CERTIFIED

Cancellations | The following administrative fees will apply to course registration refunds:

- 20% of course fee if cancelled 14 or more days prior to the scheduled date
- 50% of course fee if cancelled less than 14 days prior to the scheduled date
- No refunds will be issued if cancelled on the day of the course