

### Common SI Unit Prefixes

10 <sup>12</sup>	tera	T	10 <sup>-3</sup>	milli	m
10 <sup>9</sup>	giga	G	10 <sup>-6</sup>	micro	μ
10 <sup>6</sup>	mega	M	10 <sup>-9</sup>	nano	n
10 <sup>3</sup>	kilo	k	10 <sup>-12</sup>	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.

### NATIONAL EDUCATION CENTRE

760-100 Sheppard Avenue East  
Toronto, ON M2N 6N5  
(416) 650-9090 wk  
(416) 650-9920 fax

### NATIONAL LABORATORIES

102-110 Research Drive  
Saskatoon, SK S7N 3R3  
(306) 975-0566 wk  
(306) 975-0494 fax

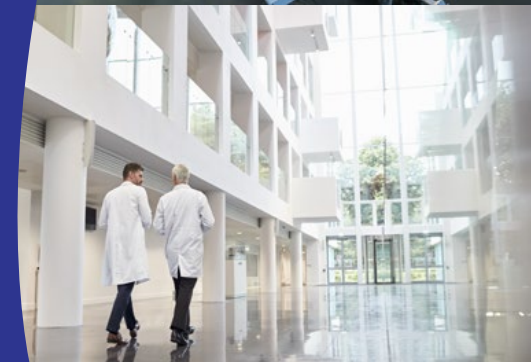


**Radiation Safety Institute of Canada**

Institut de radioprotection du Canada

2020 RADIATION SAFETY OFFICER (RSO)  
CERTIFICATE COURSES

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





Get RSO Certified with an Industry Leader. Join us in 2020!

### EXPERIENCE THE RSIC DIFFERENCE

- Comprehensive curriculum: open and sealed sources
- All applications from medical to industrial
- Fulfills the mandatory CNSC requirements for Radiation Safety Training
- Includes Transportation of Dangerous Goods (TDG) Class 7 Certificate
- Engaging and interactive learning methods
- Led by experienced Registered Radiation Safety professionals

## Radiation Safety Officer (RSO-1)

### 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 Canadian Nuclear Safety Commission Regulations. 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 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 (RSO-2)

### COURSE DETAILS

This **two-day course** 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

## 2020 COURSES

### RSO-1 COURSE

\$2399 + applicable taxes

Toronto	<input type="checkbox"/> Jan. 27 - 31	<input type="checkbox"/> July 13 - 17
	<input type="checkbox"/> March 23 - 27	<input type="checkbox"/> Sept. 28 - Oct. 2
	<input type="checkbox"/> May 25 - 29	<input type="checkbox"/> Nov. 23 - 27

Saskatoon	<input type="checkbox"/> June 15 - 19
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### RSO-2 COURSE

\$985+ applicable taxes

Toronto	<input type="checkbox"/> April 28 - 29
	<input type="checkbox"/> Nov. 3 - 4

Saskatoon	<input type="checkbox"/> Sep. 15 - 16
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Vancouver	<input type="checkbox"/> July 20 - 21
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## HOW TO REGISTER



Register in a few clicks at [radiationsafety.ca](http://radiationsafety.ca)



Call us at 1-800-263-5803 or (416) 650-9090 ext. 21



Email us at [info@radiationsafety.ca](mailto: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 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