

# Inspector Nation Certified Radon Inspector

Typical Course Agenda for an Education Provider, covering all required education topics.

Start Time	Duration	Section	Description
<b>Day 1</b>			
8:00 AM	10 minutes	Introduction	Course Overview and Goals
8:10 AM	2 hours	The Chemistry and Physics of Radon Gas	An introduction to the atomic model, the periodic table of elements, ionization, isotopes, radiation (alpha, beta, gamma), the radon decay chain, measurement units (WL and pCi/L), and the equilibrium ratio.
10:10 AM	10 minutes	Break	Break
10:20 AM	1 hour	Radon Exposure and Health Effects	Common mechanisms of radiation exposure, physiology and risk of lung cancer from radon gas exposure. Radiation safety plan as a Radon Measurement Provider
11:20 PM	1 hour	Radon in your Home	Common radon methods of gas entry and infiltration in your home. Discussion of driving forces, such as air pressure differences and the stack effect.
12:20 PM	30 minutes	Lunch Break	Lunch
12:50 PM	2 hours	Radon in your Home: A Citizen's Guide	An introduction to indoor radon gas measurement, and a detailed review of the Citizen's Guide Document, how to test your home as a citizen (protocols, locations, and procedures).
2:50 PM	10 minutes	Coffee Break	Break
3:00 PM	2 hours	Radon in your Home: Real-Estate	Introduction to the goal of radon gas testing in real-estate transactions, common testing types, and procedures to follow. Rules to follow when performing a test given variances in radon gas levels and accuracy/precision. Example math problems.
5:00 PM	Day 1 End		
<b>Day 2</b>			
8:00 AM	10 minutes	Introduction	Course Overview and Goals
8:10 AM	30 minutes	Radon in Water	How to test for Radon in water, how this may affect your radon gas concentrations in your home, and mitigation techniques.
8:40 AM	1 hour, 30 minutes	Quality Assurance and Control	What is a Quality Assurance Plan and what Quality Controls should you practice and implement as a Radon Measurement Professional.
10:10 AM	10 minutes	Break	Break
10:20 AM	2 hours	Active and Passive Radon Testing Devices	Introduction and demonstration of common radon gas and decay product measurement devices, their proper usage, and technical information. Review of proper reporting.
12:20 PM	30 minutes	Lunch Break	Lunch
12:50 PM	1 hour, 30 minutes	An Introduction to Radon Mitigation	Post-mitigation testing, and a review of common mitigation techniques used in the real-world based on various scenarios.
2:20 PM	30 minutes	Professional Code of Conduct	Professional business practices, typical guidelines, and code of conduct for an Inspector Nation Certified Professional.
2:50 PM	10 minutes	Coffee Break	Break
3:00 PM	1 hour, 30 minutes	Examination	100 question examination
4:30 PM	30 minutes	Examination Review	Review of common mistakes and missed questions on the exam, and suggestions for preparation for future certification exams.
5:00 PM	Day 2 End		