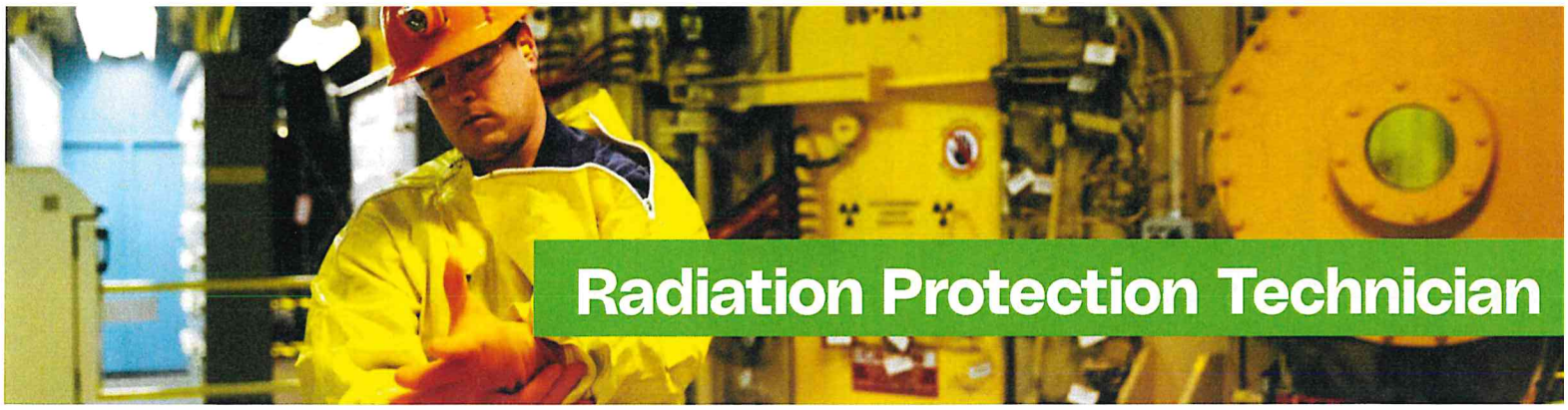

Radiation Protection Technician

What is a Radiation Protection Technician?

Radiation Protection Technicians, also known as **Radiation Safety Technicians**, play a critical role in protecting both workers and the environment by monitoring and minimizing radiation exposure. Using specialized tools, shielding, and protective gear such as respirators and specialized suits, they ensure safe handling of radioactive materials in various settings.

Where can a Radiation Protection Technician work?

- **Nuclear Power Plants**
- **Medical & Healthcare**
- **Manufacturing**
- **Military & Defense**
- **Universities**
- **Regulatory Agencies**
- **Research Facilities**
- **Space Agencies**
- **Mining & Natural Resources**

How do I become a Radiation Protection Technician?

Prior to entering the work force you will need:

- Successful completion of College / University or a Grade 12 math course taken within the last 10 years. A Skilled Trades Journey-Person with work experience within a nuclear facility would be considered for some roles.
- Successfully obtain a security clearance dependent on your work location and your role.
- Prior work experience in a nuclear facility or related industry is an asset.

Once in the work force you will need:

- Gain and maintain essential qualifications through paid, on-the-job training, tailored to your workplace and company needs. These certifications enable you to operate specialized equipment and take on key roles in the field.

Did you know?

Radiation Protection Technicians typically earn $38.00 to $57.00 per hour, with many employers offering additional benefits such as 10% vacation and statutory holiday pay, extended health benefits, and access to self-directed RRSPs or pension plans.

Both Algonquin College and Loyalist College offer Radiation Safety programs specifically designed to equip students with the necessary skills and knowledge for careers in Radiation Protection. These programs include comprehensive training in radiation monitoring, regulatory standards, and safety protocols essential for working in nuclear facilities.

Radiation Protection Technicians aren't limited to Canada—these skills are in high demand globally, allowing professionals to work in nuclear industries across the world, from Europe to the United States and beyond.

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Health Physicist

What is a Health Physicist?

A Health Physicist is a vital professional in the nuclear industry, specializing in the science of Radiation Protection. They ensure the safety of workers, the public, and the environment by monitoring, controlling, and minimizing radiation exposure. Health Physicists play a key role in safeguarding operations in various settings and this dynamic career offers diverse opportunities for those passionate about science and making a real impact on safety.

Where do Health Physicists work?

- **Nuclear Power Plants**
- **Medical & Healthcare**
- **Manufacturing**
- **Military & Defense**
- **Universities**
- **Waste Management**
- **Space Agencies**
- **Regulatory Agencies**
- **Research Institutions**
- **Environmental Monitoring**
- **Mining & Natural Resources**

How do I become a Health Physicist?

Prior to entering the work force you will need:

- A bachelor's degree in health physics, physics, nuclear engineering, or a related field such as radiological science or environmental science is generally required.
- Successfully obtain a security clearance dependent on your work location and role.
- Prior work experience in a nuclear facility or a master's degree in health physics or nuclear engineering is an asset

Once in the work force you will:

- Gain and maintain essential qualifications through paid, on-the-job training, tailored to your workplace and company needs. These certifications enable you to operate specialized equipment and take on key roles in the field.

Did you know?

A common misconception is that a Health Physicist is a medical doctor. In reality, they are experts in radiation safety and protection. The title "Health Physicist" describes professionals who combine physics knowledge to protect human health from radiation exposure.

Health Physicists typically earn $86,000 - $118,000/year. In addition to your salary, many employers offer an extended health benefits plan, paid vacation, and access to self-directed RRSPs or pension plans.

Diverse Career Opportunities: Health Physicists are in high demand across various industries, using their expertise in physics, biology, and environmental science to ensure safety and protection from radiation.

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