

RADIATION SAFETY/HEALTH PHYSICS

Associate Degree
10-624-2

Increasing the use of radiation and radioactive materials in today's world has created demand for nuclear technicians especially in Janesville and Beloit, Wisconsin where the Department of Energy Nuclear Security Administration has approved Shine Medical Technologies and NorthStar Medical Radioisotopes, Inc. to build production plants in the next 2-3 years.

The Radiation Safety/Health Physics Associate's Degree program offers individuals who are employed in the industry a unique opportunity to obtain the specialized training to work with radioactive materials. In addition to being a high demand field, it also pays extremely well. In fact, according to the Department of Labor website, the median starting salary for this field in 2015 was \$38.59 per hour! It's also an excellent springboard for a four-year degree in health physics and radiation safety.

SHARED PROGRAM

Designed as a shared program with Lakeshore Technical College (LTC) (<https://gotoltc.edu/academics/programs-of-study/radiation-safety-health-physics>), classes may be offered in traditional classroom settings, online or using Interactive Television (ITV) to link instruction from both Blackhawk and LTC. In some cases, students may be asked to attend a classes outside of their current district. Check with a program adviser for more details or to view the full-time program sheet click here. (<https://gotoltc.edu/Assets/gotoltc.edu/pdf/academics/2018-2019-program-sheets/2018-2019-Radiation-Safety-Health-Physics.pdf>)

SPECIAL NOTE

This program is designed for working adults in the Nuclear/Radiation/Health Physics industry. It is an online program that allows participants to access both archived and live synchronous lectures in the 10624 courses. Most classes have prerequisites and the program is constructed without lab components, therefore, students should work with their industry supervisor to identify suitable activities at their worksite.

Program Outcomes

- Work safely within industrial and radiological hazard areas.
- Understand and communicate nuclear technology-related concepts effectively in both oral and written formats.
- Perform radiological surveys for radiation and radioactive contamination.
- Follow procedures for operating and maintaining systems and equipment at nuclear facilities.
- Participate in applying nuclear technologies to a variety of industrial, medical, and research processes.
- Apply knowledge in a variety of related occupational jobs such as reactor plant operations, maintenance, quality assurance, etc.

Potential Employment Opportunities

- Nuclear Monitoring Technician
- Occupational Health and Safety Technician

- Neurodiagnostic Technologist
- Surgical Technologist
- Respiratory Therapy Technician