



LIFE & PLANT SCIENCES



- Radiological isotopes have a wide variety of applications, including industrial radiography, gauging applications, mineral analysis, flow tracing, mixing measurements, sterilization, aircraft manufacturing, oil exploration, and others.
- The economic benefits that arise from these industries add up to hundreds of billions of dollars.
- There is a strong renewed national security interest in having a domestic supply of radioisotopes, mainly technetium-99 and molybdenum-99. Several large facilities are under construction or are in the permitting process.
- Technicians in this growing field are similar to health physics technicians but will need additional education and training in subjects such as hot cell operations, spectroscopic methods, short half-life material handling, and solid state physics.



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