



CAREER PATH
Health
 CAREER CLUSTER
Health Sciences
 CAREER PATHWAY
Diagnostic Services



NUCLEAR MEDICINE TECHNOLOGIST

Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies utilizing a variety of radioisotope equipment. Prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. Subject patients to radiation. Execute blood volume, red cell survival, and fat absorption studies following standard laboratory techniques.

Knowledge and Skills Needed

In addition to courses required for high school graduation, essential skills and knowledge needed for a career as a nuclear medicine technologist are reinforced by taking rigorous and relevant courses, as well as participating in work-based experiences and student organization activities.

(See the Sample Personal Plan of Study for suggested coursework, activities, and knowledge and skills to pursue in preparation of an occupation in this Career Cluster.)

Education Requirements

Occupation	Percent of Missouri employees aged 25 to 44 in the occupation whose highest level of educational attainment is:		
	High School or Less	Some College	Bachelor Degree or More
Nuclear medicine technologists	7.2%	67.9%	24.9%
Health technologists/technicians	20.1%	57.1%	22.7%
Healthcare practitioner & technical	9.9%	31.0%	59.1%

Most Common Educational Level: Associate degree

Note: Be sure to learn whether your occupation has a specific requirement for education or licensing. Apprenticeships are available for more than 240 occupations. Visit www.oe.doleta.gov/bat.cfm

National and State Wage Information

Location	Pay Period	2007		
		Entry*	Median	Experienced**
United States	Hourly	\$26.71	\$31.09	\$36.31
	Yearly	\$55,600	\$64,700	\$75,500
Missouri	Hourly	\$26.69	\$30.37	\$35.00
	Yearly	\$55,500	\$63,200	\$72,800

Based on (*) lower 25% and (**) upper 25% percentile of wages

National and State Employment Trends

Nuclear Medicine Technologist	Employment		Percent Change	Job Openings*
	2006	2016		
United States	19,900	22,800	+ 15%	560
Missouri	310	350	+ 14%	10

*The estimate for Job Openings includes both turnover that results from people who leave the occupation (e.g. quit, retire, death) and new jobs that are created.

Educational Opportunities

Note: This list may not be all inclusive. For more information about Missouri schools and programs, visit www.dhe.mo.gov

Research Medical Center School of Nuclear Medical Technology

Kansas City, MO
 (816) 276-4068
www.researchmedicalcenter.com

Saint Louis University

- Main Campus
 Saint Louis, MO
 (314) 977-2222
www.imagine.slu.edu



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