

# Nuclear Medicine Technologists

SOC: 29-2033 • Career Profile Report

## ■ Key Facts

\$97,020

Median Salary

20,000

Employment

+3.0%

Growth Rate

## ■ Requirements & Salary Range

Education: Associate's degree

## ■ Automation Risk Assessment

**Low Risk** - 8.0% probability of being automated in the next 10-20 years.

This job is relatively safe from automation due to its creative, social, or complex problem-solving requirements.

## ■ Work-Life Balance

**8.8/10** - Excellent work-life balance

## ■ Personality Fit (RIASEC)

Higher scores indicate better personality fit for this career type.

Realistic	5.4/10	Investigative	8.6/10
Artistic	4.8/10	Social	9.0/10
Enterprising	5.4/10	Conventional	6.2/10

## ■ Top Skills Required

Ability to use technology, Analytical skills, Compassion, Detail oriented, Interpersonal skills, Physical stamina

### ✓ Strengths

- High Demand
- Flexible Work
- Continuous Learning

### ■ Challenges

- Burnout Risk
- Rapid Technological Change

## ■ What They Do

Nuclear Medicine Technologists typically perform the following tasks:

- Administer radiopharmaceuticals or radiation intravenously to detect or treat diseases, using radioisotope equipment, under direction of a physician.
- Detect and map radiopharmaceuticals in patients' bodies, using a camera to produce photographic or computer images.
- Process cardiac function studies, using computer.
- Calculate, measure, and record radiation dosage or radiopharmaceuticals received, used, and disposed, using computer and following physician's prescription.
- Record and process results of procedures.
- Produce a computer-generated or film image for interpretation by a physician.
- Prepare stock radiopharmaceuticals, adhering to safety standards that minimize radiation exposure to workers and patients.
- Explain test procedures and safety precautions to patients and provide them with assistance during test procedures.
- Perform quality control checks on laboratory equipment or cameras.
- Dispose of radioactive materials and store radiopharmaceuticals, following radiation safety procedures.
- Gather information on patients' illnesses and medical history to guide the choice of diagnostic procedures for therapy.
- Maintain and calibrate radioisotope and laboratory equipment.
- Measure glandular activity, blood volume, red cell survival, or radioactivity of patient, using scanners, Geiger counters, scintillometers, or other laboratory equipment.
- Train or supervise student or subordinate nuclear medicine technologists.
- Position radiation fields, radiation beams, and patient to allow for most effective treatment of patient's disease, using computer.
- Add radioactive substances to biological specimens, such as blood, urine, or feces, to determine therapeutic drug or hormone levels.
- Develop treatment procedures for nuclear medicine treatment programs.
- Schedule patients for nuclear medicine exams and procedures.

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*Generated by StartRight • Data from U.S. Bureau of Labor Statistics & O\*NET*

Source: <https://www.bls.gov/ooh/healthcare/nuclear-medicine-technologists.htm>