

# Nuclear Medicine Technology

## ***Nature of the Profession***

*Nuclear medicine uses very small amounts of radioactive materials (radiopharmaceuticals) to diagnose and treat disease. In imaging, the radiopharmaceuticals are detected by special types of cameras that work with computers to provide very precise pictures about the area of the body being imaged. In treatment, the radiopharmaceuticals go directly to the organ being treated. New and innovative nuclear medicine treatments that target and pinpoint molecular levels within the body are revolutionizing our understanding of and approach to a range of diseases and conditions.*

*The nuclear medicine technologist prepares and administers the radiopharmaceuticals, acquires and processes the diagnostic images and assists in the therapeutic treatments and care of the patients.*

## **APTITUDES**

- Ability to work with people
- Ability to see slight differences in objects
- Ability to follow instructions and attend to details
- Ability to use numbers well and calculate dosages
- Ability to interpret test results and report findings

## **EDUCATION**

Educational programs range from one-year certificate, two-year associate, or four-year bachelor degree programs.

## **EDUCATIONAL PROGRAMS IN NEBRASKA**

- University of Nebraska Medical Center – Omaha (B)

## **LICENSURE / CERTIFICATION**

Certification as a Certified Nuclear Medicine Technologist is available through the Nuclear Medicine Technology Certification Board or the American Registry of Radiologic Technologists.

## **PROFESSIONAL ASSOCIATIONS**

### ***Society of Nuclear Medicine***

Web Address: [www.snm.org](http://www.snm.org)

### ***Nuclear Medicine Technology Certification Board***

Web Address: [www.nmtcb.org](http://www.nmtcb.org)

### ***American Registry of Radiologic Technologists***

Web Address: [www.arrt.org](http://www.arrt.org)