

# CAREER SNAPSHOTS!

"A DETAILED SNAPSHOT OF WHAT A CAREER IS ABOUT"

Volume 1 Issue 4 December 2006

HAPPY HOLIDAYS!!!



## Nuclear Medicine Technology

### Bronx Community College Career Development Office

#### Special points of interest:

Students have access to a **Career Resource Library** to further research this field or other fields. A variety of resources on print, DVD and video are available to help students target an array of career development issues.

Students can also use **Choices Planner** and **Career Zone** to assess career choice and research in-depth, numerous career professions and industries aside from other assessments such as the **Self-Directed Search**

#### The Cooperative Work Experience Program

assists students to gain valuable work experience, skills, and exposure prior to graduation. Some opportunities are paid and can be performed for course credit.

*Stop by the Career Development Office, Loew Hall room 328, for more information!*

Nuclear Medicine Technologists prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using a variety of radioisotope equipment. They also prepare stock solutions of radioactive materials and calculate doses to be administered by radiologists. They position radiation for the most effective way in treating a patient's illness. They execute blood volume, red cell survival, and the absorption of fat studies following standard laboratory techniques.

#### OUTLOOK FOR PROFESSION:

- In 2004, median wages were \$27.91 hourly, \$58,060 annually (nationwide), and 18,000 people were employed
- Between the years 2004-2014, *the profession is projected to grow faster than average by 21-35%*
- Between 2004-2014, there will be a projected need of 7,000 additional employees

#### EDUCATION NEEDED:

- Usually a bachelor's degree is needed, but sometimes not.
- For training, professionals in this occupation usually need several years of work-related experience, on-the-job training, and/or vocational training.

#### SKILLS NEEDED:

- Must have active listening, active learning, reading comprehension, speaking, time management, and critical thinking skills.
- Must be able to convey information effectively, use scientific rules and methods to solve problems, and be aware of others' reactions and understand why they react as they do. Also, should be able to adjust actions in relation to others' actions and teach others how to do something.
- Must be able to use math to solve problems, watch gauges, dials, or other indicators to ensure a machine is working correctly, and be able to control operating equipment or systems.
- Must be able to communicate effectively through writing

**RELATED ABILITIES:**

- **Problem Sensitivity** - The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
- **Oral Comprehension**- The ability to listen to and understand information and ideas presented through spoken words and sentences.
- **Deductive Reasoning**- The ability to apply general rules to specific problems to produce answers that make sense.
- **Near Vision**- The ability to see details at close range (within a few feet of the observer)
- **Oral Expression**- The ability to communicate information and ideas in speaking so others will understand.
- **Written Comprehension**- The ability to read and understand information and ideas presented in writing.
- **Inductive Reasoning**- The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).
- **Speech Clarity**- The ability to speak clearly so others can understand you
- **Speech Recognition**- The ability to identify and understand the speech of another person

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**RELATED CAREERS:**

- **Optometrists**- Diagnose, manage, and treat conditions and human eye and visual system diseases. Examines eyes and visual system, diagnose problems or impairments, prescribe corrective lenses, and provide treatment.
- **Radio logic Technicians**- Maintain and use equipment and supplies necessary to demonstrate portions of the human body on X-ray film or fluoroscopic screen for diagnostic purposes.
- **Radiation Therapists**- Provide radiation therapy to patients as prescribed by a radiologist according to established practices and standards. Duties may include reviewing prescription and diagnosis; acting as a liaison with physician and supportive care personnel; preparing equipment and maintaining records, reports, and files.
- **Cardiovascular Technologists and Technicians**- Conducts tests on pulmonary or cardiovascular systems of patients for diagnostic purposes. May also perform electrocardiograms and cardiac catheterizations.
- **Anesthesiologists**- Administer anesthetics during surgery or other medical procedures

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**SOURCES FOR RESEARCH ON THE INTERNET:**

**United States Department of Labor**

[www.bls.gov](http://www.bls.gov)

**ISEEK**

[www.iseek.org](http://www.iseek.org)

**Canadian Association of Medical Radiation Technologists**

[www.camrt.ca](http://www.camrt.ca)

**Career Overview**

[www.careeroverview.com](http://www.careeroverview.com)

**Healthline**

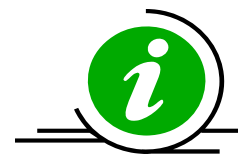
[www.healthline.com](http://www.healthline.com)

**Society of Nuclear Medicine**

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

**Nuclear Medicine Research Council**

[www.cbvcp.com/nmrc](http://www.cbvcp.com/nmrc)



***Please come to the Career Development Office, Loew Hall room 328, for more information about the additional services it provides for students and alumni today!***

*Information for this publication taken from CareerZone (2006) and the Occupational Information Network (2006)*

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