Nuclear Medicine Technologist

What They Do
Prepare, administer, and measure radioactive isotopes in therapeutic, diagnostic, and tracer studies using 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.

Is This For You?
Work Interests are described in the following categories (compatible with Holland’s Model). People who tend to succeed in this career are:

Realistic – involves work activities that include practical, hands-on problems and solutions.

Investigative – involves working with ideas and require an extensive amount of thinking.

Work Values are aspects of work that are satisfying to you. The following work values are generally associated with this career:

Support – offer supportive management that stand behind employees.

Relationships – allow employees to provide service to others and work with co-workers in a friendly non-competitive environment.

Working Conditions – offer job security and good working conditions.

Abilities reflect a person’s aptitude to acquire skills and knowledge. The following abilities are important for success in the career:

- Oral Comprehension
- Oral Expression
- Near Vision
- Problem Sensitivity
- Information Ordering
- Written Comprehension

Standard Occupational Code 29-2033.00
Skills You Need

- Critical Thinking
- Active Listening
- Speaking
- Monitoring
- Reading Comprehension
- Writing
- Social Perceptiveness
- Coordination

Requirements for the National Career Readiness Certificate (NCRC)

<table>
<thead>
<tr>
<th>Skill</th>
<th>Median Skill Level</th>
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</thead>
<tbody>
<tr>
<td>Applied Mathematics</td>
<td>4</td>
</tr>
<tr>
<td>Reading for Information</td>
<td>5</td>
</tr>
<tr>
<td>Locating Information</td>
<td>5</td>
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</tbody>
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Where They Work

The South Dakota Industries which employ the largest number of nuclear medicine technologists are:

- General Medical and Surgical Hospitals
- Offices of Physicians
- Medical and Diagnostic Laboratories
- Local Government
- Federal Government

SD Employment & Wages

<table>
<thead>
<tr>
<th>Year</th>
<th>Workers</th>
<th>Numeric Change</th>
<th>Percent Change</th>
<th>Average Annual Demand for Workers</th>
<th>Median Annual Wage</th>
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</thead>
<tbody>
<tr>
<td>2014</td>
<td>150</td>
<td>0</td>
<td>-1%</td>
<td>0</td>
<td>$57,290</td>
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<tr>
<td>2024</td>
<td>150</td>
<td>0</td>
<td>0</td>
<td>0</td>
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</table>

Additional References

Labor Market Information Center
www.dlr.gov/mic

Career OneStop
www.careeronestop.org

O*Net Online
www.onetcenter.org

mySkills myFuture
www.myskillsmyfuture.org

Updated March 2017.