DOES THIS DESCRIBE YOU?

**Work Interests** involve descriptive categories attributed to success in this career:

**Investigative** - Involves work activities that include practical, hands-on problems and solutions; often dealing with plants, animals, and real-world materials like wood, tools, and machinery.

**Realistic** - Involves work activities that include practical, hands-on problems and solutions; often dealing with plants, animals, and real-world materials like wood, tools, and machinery.

**Social** - Involves working

**Work Styles** depict worker characteristics conducive for this career:

- Attention to Detail
- Concern for Others
- Dependability
- Cooperation
- Integrity

**Work Values** are associated with aspects of work that provide satisfaction in this career:

- **Relationships** - Provide service to others in noncompetitive environment.
- **Support** - Management backing.
- **Achievement** - Sense of accomplishment; results oriented.

**Aptitudes** reflect an ability to acquire skills and knowledge for success in this career:

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

OVERVIEW

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.

**SKILLS, KNOWLEDGE, AND WORK ACTIVITIES**

**Skills:**
- Critical Thinking
- Active Listening
- Speaking
- Reading Comprehension
- Writing

**Knowledge:**
- Customer and Personal Service
- Biology
- English Language
- Physics
- Medicine and Dentistry

**Work Activities:**
- Administer medical substances for imaging or other procedures.
- Create advanced digital images of patients using computer imaging systems.
- Process x-rays or other medical images.
- Calculate numerical data for medical activities.
- Record patient medical histories.
- Explain medical procedures or test results to patients or family members.
- Follow protocols or regulations for healthcare activities.
- Examine medical instruments or equipment to ensure
### ESTIMATED AND PROJECTED EMPLOYMENT

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>Employment Information</th>
<th>Annual Job Opening Information</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2016 Estimated</td>
<td>2026 Projected</td>
</tr>
<tr>
<td>Total, All Occupations</td>
<td>1,821,755</td>
<td>1,976,480</td>
</tr>
<tr>
<td>Healthcare Practitioners and Technical Occupations</td>
<td>90,600</td>
<td>103,405</td>
</tr>
<tr>
<td>Nuclear Medicine Technologists</td>
<td>N/A</td>
<td>N/A</td>
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</tbody>
</table>

### 2018 WAGE AND SALARY

<table>
<thead>
<tr>
<th>Occupational Title</th>
<th>Hourly Wage</th>
<th>Annual Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mean</td>
<td>Entry</td>
</tr>
<tr>
<td>Total, All Occupations</td>
<td>$21.50</td>
<td>$10.45</td>
</tr>
<tr>
<td>Healthcare Practitioners and Technical Occupations</td>
<td>$34.95</td>
<td>$17.53</td>
</tr>
<tr>
<td>Nuclear Medicine Technologists</td>
<td>$34.68</td>
<td>$26.87</td>
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</table>

### EDUCATION AND TRAINING

<table>
<thead>
<tr>
<th></th>
<th>Less than High School</th>
<th>High School Diploma or Equivalent</th>
<th>Some College, No Degree</th>
<th>Associate’s Degree</th>
<th>Bachelor’s Degree</th>
<th>Master’s Degree or Higher</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total, All Occupations</td>
<td>8.6%</td>
<td>23.9%</td>
<td>21.0%</td>
<td>9.4%</td>
<td>14.1%</td>
<td>14.1%</td>
</tr>
<tr>
<td>Nuclear Medicine Technologists</td>
<td>1.3%</td>
<td>6.1%</td>
<td>17.1%</td>
<td>43.2%</td>
<td>26.7%</td>
<td>5.6%</td>
</tr>
</tbody>
</table>

**Work Experience:** None  
**Job Training:** None

### NATIONAL CAREER READINESS CERTIFICATE (NCRC)

<table>
<thead>
<tr>
<th>Skill</th>
<th>Minimum Skill Level</th>
<th>Median Skill Level</th>
<th>Maximum Skill Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Applied Mathematics</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Applied Technology</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Business Writing</td>
<td>3</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>Locating Information</td>
<td>3</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Workplace Documents</td>
<td>4</td>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>Workplace Observation</td>
<td>3</td>
<td>3</td>
<td>5</td>
</tr>
</tbody>
</table>

NCRC is an ACT assessment-based credential issued in determining essential work skills needed for employment success across industries and occupations. The greater the score, the greater the skill level (Bronze = 3, Silver = 4, Gold = 5, Platinum = 6 & higher).

### TOP PRIMARY INDUSTRY SECTORS

- Hospitals
- Ambulatory Health Care Services

### ADDITIONAL SOURCES

This workforce product was funded by a grant awarded by the U.S. Department of Labor’s Employment and Training Administration. The product was created by the recipient and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership. This product is copyrighted by the institution that created it. Internal use by an organization and/or personal use by an individual for non-commercial purposes is permissible. All other uses require the prior authorization of the copyright owner. This publication was produced by the Labor Market Information Division of Iowa Workforce Development. Updates, revisions, and/or corrections made periodically. Inquiries may be directed to Brent Paulson at 515.281.3949 or Brent.Paulson@iwd.iowa.gov. Visit www.iowalmi.gov to obtain the latest workforce data and trends including this document. Published 9/2018.