Vittoria Solomon

Professor’s Name

Course

Due Date

Radiologic Technologists

**Choice Justification**

I have decided to pursue a career as a radiologic technologist as an aspirant healthcare professional because of its dynamic character, critical role in patient care, and chance to combine my passion for technology with my ambition to have a significant impact on people’s lives.  
The field of radiologic technology perfectly combines technological know-how with empathetic patient care, which perfectly fits my interests and goals. It is both fulfilling and intellectually fascinating to be able to identify and treat a variety of medical diseases using cutting-edge imaging equipment.

**Career Duties**

My regular responsibilities as a radiologic technologist will include using X-ray and other imaging equipment to take pictures of patients' interior organs for diagnostic analysis. This include setting up the equipment, placing the patients, and making sure the images are of high quality (Houston Community College). Furthermore, collaborating with other healthcare experts, upholding safety procedures, and keeping track of patient information are essential components of the job.

**Salaries**

In the USA, the average pay for radiologic technologists is $46.83 per hour. The average hourly income in Houston, however, is somewhat less at $36.43 due to regional differences in demand and cost of living (Houston Community College). The salaries vary locally with high and lower earners as distinguished by percentiles shown in Table 1.

**Table 1**

***Radiologic Technologists’ Salary Percentiles in Houston***

**Job Market (Houston)**

Houston has a thriving radiologic technology job market, with many hospitals, imaging centers, and healthcare facilities looking for qualified candidates to fill the increasing need for diagnostic services. Specifically, there are 365 new job openings in the state annually for Radiologic technologists (Houston Community College). Further, the thriving healthcare industry in the area, along with ongoing technology improvements, guarantees plenty of job prospects for skilled persons.

**Advancement Opportunities**

Radiologic technologists have a number of options for developing their careers, including becoming specialists in fields like mammography, CT scanning, or MRI. For individuals looking to advance their careers, there are also chances for research projects, teaching jobs, and leadership responsibilities (Fite 632). Additionally, more experience and training make radiologic technologists able to perform managerial roles such as shift supervisors and chief radiologic technologists.

**Education Requirements**

Typically, one needs to have either an associate's or bachelor's degree in radiography from a recognized institution in order to work as a radiologic technologist. To provide thorough training, these programs include instruction in radiography processes, anatomy and physiology, and clinical rotations. While most institutions’ associate’s degrees take 2 years, bachelor’s degrees take 4 years (Abuzaid S84). Moreover, both programs require classroom and clinical training.

**Specialties in the Field**

With the variety of specializations offered by radiologic technology, professionals can concentrate on particular fields such as nuclear medicine. Other fields are interventional radiography, computed tomography (CT), or magnetic resonance imaging (MRI) that can be pursued to meet the demands of various patient populations and diagnostic requirements.

**Continuing Education Units (CEUs) and Requirements for Re-Licensure**

To stay current with changes in healthcare regulations, safety procedures, and imaging technology, radiologic technologists must pursue continuing education. By participating in workshops, seminars, and obtaining advanced certifications, professionals can improve their abilities and expertise. On the other hand, state-specific requirements for re-licensure differ, but generally speaking, they entail earning a specific amount of continuing education units (CEUs), keeping up certification with associations like the American Registry of Radiologic Technologists (ARRT), and abiding by ethical guidelines and licensing laws.

**Quote**

“As Radiologic Technologists, we play a crucial role in the healthcare continuum, providing accurate diagnostic images that empower physicians to make informed decisions and improve patient outcomes. Our dedication to excellence and commitment to compassionate care define our profession.” By Sarah Rodriguez, ARRT, Lead Radiologic Technologist.

Works Cited

Abuzaid, M. M., et al. "Assessment of MRI technologists in acceptance and willingness to integrate artificial intelligence into practice." *Radiography* vol. 27, 2021, pp. S83-S87.

Fite, Brett Z., et al. "Increasing diversity in radiology and molecular imaging: current challenges." *Molecular Imaging and Biology* vol. 23, no. 5, 2021, pp. 625-638.

Houston Community College. “Radiography,” HCC, n.d., <https://www.hccs.edu/programs/areas-of-study/health-sciences/radiography/>