



MEDICAL IMAGING

Medical imaging youth apprentices support radiologic health professionals by preparing the room for procedures, providing patient support, assisting with procedures, and maintaining supply inventory.

Length of Apprenticeship: One year

OCCUPATIONAL COMPETENCIES

Youth apprentices must complete a **total of 10** competencies. **Nine** must be from the list below. If necessary, employers can substitute **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment.

Safety Notes Regarding Radioactive Substances and Ionizing Radiations

- A. Youth apprentices aged 16 and over can work in workrooms with radioactive substances IF -
1. The radioactive substances present in the air are average concentrations less than 10% of maximum permissible concentrations recommended for occupational exposure.
 2. The ionizing radiation exposure to ionizing radiations is less than 0.5 rem per year.
 3. The radioactive substances are NOT mixtures of phosphorescent material and radium, mesothorium, or other radioactive material, OR incandescent mantles made from fabric and thorium salt solutions.

B. Prohibited to ALL MINORS – Youth apprentices are not allowed in any workroom with exposure to ionizing radiations OR to any mixture of phosphorescent material and radium, mesothorium, or other radioactive material is stored, used, or made OR incandescent mantles made from fabric and thorium salt solutions are processed and packaged.

Occupational Competencies
<ol style="list-style-type: none">1. Practice infection control and safety2. Wear appropriate personal protective equipment (PPE)3. Provide quality patient care4. Setup diagnostic area5. Assist patients in preparing for the imaging exam6. Apply radiation safety and protection principles (Note: Youth apprentices must not exceed the annual dose limit set by DHS)7. Assist with patient positioning for the imaging procedure8. Clean and restock room after procedure9. Maintain inventory10. Transport client

POST-SECONDARY PATHWAY OPPORTUNITIES

There are several post-secondary pathway opportunities in this area. The following is a partial list.

- Diagnostic Medical Sonography
- Radiography Technician