



Course Description

RTE2854 | Radiographic Clinic 6 | 3.00 credits

Students will complete the competencies required by the American Registry of Radiologic Technologists to become eligible to apply for the certification exam. Student will socialize into radiography practice by beginning to work more independently as of a radiographer. Students will also spend time observing in the areas of advanced imaging.

Course Competencies

Competency 1: The student will be able to demonstrate a functional knowledge, comprehension and application of professional growth related to professionalism, medical ethics, and a teamwork by:

1. Signifying personal honesty, integrity, accountability, competence and compassion
2. Adapting team practice concepts that focus on organizational theories, roles of team members and conflict resolution
3. Integrating appropriate personal and professional values into clinical practice
4. Adapting procedures to meet age-specific, disease-specific and cultural needs of patients

Competency 2: The student will be able to demonstrate proficiency in the skills, techniques and knowledge required to perform modified radiologic procedures in accordance to patient pathology by:

1. Describing the basic manifestations of pathological conditions and their relevance to radiologic procedures
2. Identifying the radiographic appearance of diseases.
3. Adjusting technical factors to reflect subtractive and additive techniques as required by pathologic condition

Competency 3: The student will be able to demonstrate proficiency in the skills, techniques and knowledge required for image analysis by:

1. Applying the process for evaluating images for adequate image receptor exposure, exposure indicator, contrast/greyscale/spatial resolution, identification markers, and appropriate use of beam restriction
2. Applying a process for evaluating images for acceptable limits of distortion, image artifacts, radiation fog, noise, and gross exposure
3. Differentiating between technical factor problems, procedural factor problems and equipment malfunctions
4. Analyzing images for appropriate technical, procedural and pathologic factors, and employing corrective actions if necessary

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Demonstrate knowledge of diverse cultures, including global and historical perspectives
- Use computer and emerging technologies effectively