RADIOLOGIC TECHNOLOGY (2760)

2760:141. Anatomy & Positioning I. (3 Credits)
Prerequisites: 2780:106, 2780:107, and admission to the program.
Radiographic anatomy and positioning of skeletal systems, including introductory cross-sectional anatomy. Identification of correct & incorrect positioning including remedies.

2760:142. Anatomy & Positioning II. (3 Credits)
Prerequisite: 2760:141. Radiographic anatomy and positioning of various body systems in all planes, including cross-sectional anatomy. Identification of correct & incorrect positioning, including remedies.

2760:151. Methods of Patient Care I. (2 Credits)
Prerequisite: Admission to the program. Covers basic radiologic patient care and professionalism issues. Includes surgical aseptic training for performing radiographic images in the operating room.

2760:152. Methods of Patient Care II. (1 Credit)
Prerequisite: 2760:151. Addresses patient care considerations for medical emergencies, patients receiving contrast media, alternative medical treatments. Overview of pharmacology and drug administration.

2760:161. Radiologic Physics and Principles I. (3 Credits)
Prerequisites: 2780:106, 2780:107, and admission to the program. Orientation to radiologic sciences. Introduction to systems of measurement, physics, electromagnetism, and components of the x-ray tube. Also includes electricity, radiation physics, and radiation protection.

2760:162. Radiologic Physics and Principles II. (3 Credits)
Prerequisite: 2760:161. Discussion of radiologic factors involved in producing quality radiographs. Review of various radiographic components and their influences on photographic technique. Includes quality assurance testing. Sequential.

2760:171. Clinic Class I. (1 Credit)
Prerequisite: Admission to the program. Corequisite: 2760:181. Review of the clinical site-specific radiographic positioning of the skeletal system. Also includes mobile & surgical radiography.

2760:172. Clinic Class II. (1 Credit)

2760:181. Clinical I. (3 Credits)
Prerequisite: Admission to the program. Hands-on application of didactic anatomy & positioning lessons in learning how to image the skeletal system. Includes mobile & surgical radiography.

2760:182. Clinical II. (3 Credits)
Prerequisite: 2760:181. Hands-on application of didactic anatomy & positioning lessons in learning how to image the various body systems. Includes mobile & surgical radiography.

2760:192. Radiobiology. (2 Credits)

2760:221. Clinical Experience. (0 Credits)
Prerequisite: Admission to the Radiologic Technology program. Off-campus clinical course. May be repeated as needed.

2760:252. Imaging Obstacles and Solutions. (1-2 Credits)
Prerequisite: 2760:142. Introduction problem solving skills, using case studies and role-playing situations. Includes comprehensive image analysis of proper technique, positioning, & the use of radiation protection principles.

2760:261. Radiologic Physics and Principles III. (3 Credits)
Prerequisite: 2760:162. Review of radiation physics and radiographic principles that are included with advanced imaging concepts, and radiation protection techniques for both the patient and the radiographer.

2760:262. A&P Registry Review. (2 Credits)
Prerequisite: 2760:271. Comprehensive review of anatomical structures and positioning to prepare for the ARRT Registry examination. A global perspective on positioning, using critical thinking skills.

2760:271. Special Imaging I. (3 Credits)
Prerequisite: 2760:142. Review of anatomy and advanced radiologic procedures for the following anatomical systems: Cardiac & Circulatory System, Respiratory & Lymphatic Systems, GI System, & Skeletal Articulations.

2760:272. Special Imaging II. (3 Credits)
Prerequisite: 2760:271. Review of anatomy and advanced procedures for the following anatomical systems: Genitourinary System, Nervous System, Muscular System, and computer based imaging.

2760:281. Clinical III. (4 Credits)
Prerequisite: 2760:182. Competency level skills are refined radiographing the vertebral column, skull, facial bones, surgical & mobile Radiography, special procedures, and other infrequently seen radiologic procedures.

2760:282. Clinical IV. (3-4 Credits)
Prerequisite: 2760:281. Competency level skills are refined in all radiologic areas.

2760:291. Pathophysiology. (2 Credits)
Prerequisite: 2760:142. Review of disease processes of the various body systems related to the effect pathology produces on radiographic images. Extensive discussion of optimum techniques used.

2760:292. Cross Sectional Anatomy. (2 Credits)
Prerequisite: 2760:271. Reorientation of anatomical structures and their relationships to axial, coronal, and sagittal planes. These structures are then identified on cadaver, CT, and MRI images.