Course ID	Course Name	Course Outcome
RAD 1A	**Clincal Experience 1A**	The student will demonstrate effective oral communication skills in the clinical setting.
		The student will demonstrate proper use of lead markers.
		The student will operate the beam restrictor (collimator) to limit patient exposure.
		The student will properly position the affected body part and image receptor.
RAD 1B	**Clinical Experience 1B**	The student will accurately position the body part for optimal imaging.
		The student will demonstrate proper patient care techniques.
		The student will observe and assess patients condition.
		The student will position the patient and image receptor to achieve accurate demonstration of the affected body part.
		The student will use personnel and radiation protection measures each exam warrants
RAD 2A	**Clinical Experience 2A**	The student will be able to explain radiographic procedures to patients completely and clearly.
		The student will be able to operate the beam restrictor to limit radiation exposure and improve image quality.
		The student will demonstrate advanced-level competency on radiographic examinations.
		The student will select technical factors appropriate for the part examined to produce a diagnostic
RAD 2B	**Clinical Experience 2B**	The student will accurately assess patient condition for every radiographic procedure.
		The student will be able to select technical factors appropriate for the body part being radiographed.
		The student will demonstrate proper aseptic and sterile technique.
RAD 30	**Radiographic Pathology**	Identify pathology presented on radiographic images.
		The student will identify various fractures shown on images provided.
RAD 31	**Fluoroscopy and Radiobiology**	The student will identify radiation induced chemical reactions, potential biologic damage, & factors influencing radiation response/radiosensitivity of cells .
		The student will identify the components of the fluoroscopy unit, including the image intensifier and viewing/recording system.
		The student will identify the structure and function of the image intensifier.
RAD 32	**Digital Imaging in Radiology**	Relate the exposure indicator values to technical factors and patient exposure.
RAD 3A	**Clinical Experience 3A**	The student will clearly and thoroughly explain radiology examinations to patients and knowledgeably answer questions.
		The student will critique images for appropriate anatomy, accuracy of positioning, image quality, and patient identification.

RAD 3B	**Clinical Experience 3B**	Students will demonstrate effective oral communication skills in the clinical setting
		The student will select proper technical factors (kVp & mAs)
RAD 3C	**Clinical Experience 3C**	The student has adequate knowledge of radiographic procedures and competently applies technical skills in clinical applications.
		The student will determine corrective measures to improve inadequate images.
RAD 4	**Clinical Experience 4**	The student will demonstrate technical competency.
RAD 40	**Mammography Principles and Procedures**	The student will analyze images for diagnostic quality and identify image quality problems
		The student will define the assessment categories in the Breast Imaging and Reporting Data System
		The student will identify the internal anatomy and external anatomy of the breast
RAD 50	**Introduction to Radiologic Science and Health Care**	The student will describe and understand legal considerations relative to the patient/peer/physician relationship.
		The student will describe and understand the principles of professional ethics set forth by the American Registry of Radiologic Technologists.
		The student will describe the principles of radiation protection.
RAD 61A	**Theory of Radiologic Technology**	The student will identify all parts of the X-ray Circuitry.
		The student will identify related radiology terminology concerning electricity, magnetism, and electromagnetism.
		The student will identify the general components and functions of the x-ray tube.
		The student will identify the structure and function of the x-ray circuit.
RAD 61B	**Radiographic Procedures I**	The student will accurately instruct the patient regarding the pregnancy policy.
		The student will accuratley identify anatomy as it relates to radiographic positioning for the upper extremity.
		The student will analyze images to determine the appropriate use of beam restriction.
		The student will identify appropriate radiographic positioning methods for the upper extremity.
		The student will identify appropriate radiographic positioning methods of the shoulder girdle.
RAD 61C	**Radiologic Procedures I Laboratory**	The student will identify an optimal diagnostic image of the foot.
		The student will perform the appropriate processing functions required to produce a diagnostic
		The student will position the phantom and image receptor to achieve accurate demonstration of the upper limb by week 5
		The student will select image receptor and/or grid combinations appropriate for the part being

RAD 62A	Theory of Radiologic Technology	The student will be able to identify how beam filtration affects x-ray beam intensity, beam quality, and patient exposure.
		The student will describe methods of how x-rays interact with matter.
		The student will identify magnification, general distortion, spatial distortion, and subject or technique factors on radiographic images.
		The student will identify the path of travel in the processor and describe the chemicals and their
RAD 62B	Radiographic Procedures II	Identify anatomy as it relates to radiographic positioning for the skull.
		Identify anatomy as it relates to radiographic positioning of the thorax
		The student will describe accurate positioning methods for general skull projections.
		The student will describe accurate positioning methods for the vertebral column.
RAD 62C	Radiologic Procedures II Laboratory	The student will identify an optimal diagnostic image of a PA skull
		The student will identify anatomy on radiographs of the vertebral column.
		The student will produce a diagnostic image of unilateral ribs in AP position.
RAD 63	Theory of Radiologic Technology	The student will describe the biologic effects of radiation. ** no longer a component of the course**
		The students will be able outline basic emergency care for patients with a contrast media reaction.
RAD 64	Theory of Radiologic Technology	The student will complete practice registry examinations.
		The student will describe the function of the components of a radiography system.
		The student will identify and discuss the various ethical codes that apply to radiographers.
RAD 70	Computed Tomography Sectional Anatomy and Pathology	The student will define common terms used in the study of pathology.
		The student will evaluate CT images to locate characteristic CT manifestations of a given pathology.
		The student will locate each anatomical structure on CT images in the transverse, coronal, sagittal and orthogonal cross-sectional imaging planes.
RAD 71	Computed Tomography Procedures and Patient Care	The student will determine if the use of contrast media is contraindicated and explain why by evaluating the patient medical laboratory results, patient history and charted information.
		The student will list the range, anatomical landmarks, patient orientation and position and technical factors for pediatric patients used to produce scout and scan images for a given procedure.
		The student will specify the patient preparation required for each procedure.
RAD 72	Computed Tomography Physcis and Instrumentation	The student will evaluate a given Computed Tomography (CT) image and list the type of artifact present, describe the artifact's appearance on the image, and explain how the artifact may be
		The student will identify the components of the CT imaging system.

The student will sequence the events in CT scanning from the application of electrical current to the CT radiographic tube to the CT detector.

RAD 7A	**Computed Tomography Clinical Experience 7A**	The student will demonstrate effective oral communication skills in the clinical setting
		The student will determine corrective measures to improve inadequate images
		The student will position the patient and gantry to achieve accurate demonstration of the affected
RAD 7B	**Computed Tomography Clinical Experience 7B**	The student will demonstrate effective oral communication skills in the clinical setting
		The student will determine corrective measures to improve inadequate images
		The student will position the patient and gantry to achieve accurate demonstration of the affected
RAD 91	**Patient Care in Radiologic Technology**	The student will accurately acquire and record vital signs
		The student will correctly transfer patients.
		The student will identify common emergency situations.