

Health Sciences and Athletics Institutional (ILO), Program (PLO), and Course (SLO) Alignment															
Program: Radiologic Technology			Number of Courses: 19			Date Updated  2.15.13		Submitted by: Dawn Charman Ext. 3247							
Institutional SLOs	I. Content Knowledge	II. Critical, Creative, and Analytical Thinking	III. Communication and Comprehension	IV. Professional and Personal Growth	V. Community and Collaboration		VI. Information and Technology Literacy								
Program Rating	4	4	3	3	2		3								
Program Level SLOS							ILOs to PLOs (Rate 1-4)								
							I	II	III	IV	V	VI			
1. Radiologic Technology Program graduates will be clinically competent to perform as an entry-level practitioners and produce diagnostic quality radiographic images.							4	4	3	3	2	3			
2. Radiologic Technology Program graduates will be able to perform medical imaging procedures in an ethical and caring manner and apply radiation safety principles on patients, self and others.							4	3	3	3	3	3			
3. Radiologic Technology Program graduates will be able to demonstrate effective communication, critical thinking and problem solving skills.							4	4	3	3	2	3			
4. Radiologic Technology Program graduates will value the concepts of lifelong learning, continued education along with participation in professional organizations.							4	3	3	3	2	3			
5. Radiologic Technology Program graduates will develop job attainment skills along with the opportunities to appraise advanced educational and professional development career paths.							4	3	3	4	2	3			
Course Level SLOs					Course to Program Level SLO Alignment Mark with an X			ILOs to Course SLOs Alignment (Rate 1-4)							
					P1	P2	P3	P4	P5	I	II	III	IV	V	VI
RTEC A Introduction to Radiologic Technology: Students will demonstrate a knowledge of radiation safety principles by writing an essay that describes four methods a radiographer can use to decrease patient exposure and exposure to themselves.						X				4	3	2	1	2	2

Course Level SLOs	Course to Program Level SLO Alignment Mark with an X					ILOs to Course SLOs Alignment (Rate 1-4)					
	P1	P2	P3	P4	P5	I	II	III	IV	V	VI
<b>RTEC 91 Radiographic Pathology:</b> Students will be able to identify pathologies that are common to the various body systems.	X		X			4	4	2	2	2	2
<b>RTEC 93 Venipuncture and Pharmacology for the Radiologic Technologist:</b> The student will be able to assess the patients current medical history to determine their risk level of adverse reaction to a contrast media injection. Based on the student's assessment of the patient, the student will determine if it would be safe for the patient to receive the contrast injection.		X			X	3	4	3	2	2	2
<b>RTEC 104 Clinical Education 1: No SLO in C-NET</b>											
<b>RTEC 107 Clinical Experience 2:</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X			X	2	4	4	3	4	3
<b>RTEC 108</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X			X	3	4	1	3	3	2
<b>RTEC 109 Clinical Experience 3: No SLO in C-NET</b>											
<b>RTEC 111 Fundamentals of Radiologic Technology:</b> Students will be able to analyze radiographic images for diagnostic quality contrast, density and recorded detail. The student will be able to make appropriate adjustments of the x-ray equipment to correct any errors with the image.	X		X		X	4	4	2	2	2	2
<b>**RTEC 123 Radiologic Positioning 1A:</b> Students will be able to analyze radiographic images for diagnostic quality contrast, density and recorded detail. The student will be able to make appropriate adjustments of the x-ray equipment to correct any errors with the image.	X	X			X	4	4	2	2	2	2
<b>RTEC 124 Radiographic Positioning 1B:</b> Students will apply radiation safety by assessing patient risk to radiation exposure during an x-ray exam and shield the patient with a lead apron during on campus simulated lab exams.	X	X			X	4	4	4	2	4	2
<b>RTEC 216 Clinical Education 2: No SLO in C-NET</b>											
<b>RTEC 217 Clinical Experience 4:</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X				2	4	4	3	3	3
<b>RTEC 218 Clinical Experience 5:</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X				3	4	1	3	3	2
<b>RTEC 219</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X				3	4	1	3	3	2

Course Level SLOs	Course to Program Level SLO Alignment Mark with an X					ILOs to Course SLOs Alignment (Rate 1-4) <b>Change Xs to numerals.</b>					
	P1	P2	P3	P4	P5	I	II	III	IV	V	VI
<b>RTEC 220 Clinical Experience 6: NO SLO IN C-NET</b>											
<b>RTEC 233 Radiographic Positioning 2: SLO #1</b> During class, students will be shown a skull radiograph with tilt and/or rotation positioning errors. Students will describe the positioning error committed and how to adjust the position of the patient to fix the positioning error.	X	X	X			3	4	4	2	2	2
<b>RTEC 233 Radiographic Positioning 2: SLO #2</b> Students will apply radiation safety by assessing patient risk to radiation exposure during an x-ray exam and shield the patient with a lead apron during on campus simulated lab exams.	X	X		X		2	4	4	2	2	2
<b>RTEC 244 Radiation Physics, Equipment, and Safety: SLO #1</b> Using the standard radiographic techniques for film/screen and digital exposures of the chest, lumbar spine and knee exams, the student will be able to calculate the radiation doses to the patient, then compare and contrast the relationship of the two imaging systems to patient dose.	X	X	X	X	X	4	3	3	1	2	2
<b>RTEC 244 Radiation Physics, Equipment, and Safety: SLO #2</b> At the end of the course, the student will be able to formulate radiographic techniques and exposure differences for 3 radiographic examination (Ex: chest, lumbar spine and knee), using digital and film screen imaging systems. The student will calculate the radiation exposure levels to the patient for both types of imaging systems and compare and contrast the relationship of the imaging systems to patient dose. Students will write a one page summary of their findings.	X	X	X	X	X	4	3	3	1	2	2
<b>RTEC 255 Advanced Imaging and Special Procedures:</b> Students will be able to research, write and give an oral presentation on a topic relating to “Special Imaging Modality” and new trends in imaging.			X	X	X	4	3	3	3	3	4
<b>RTEC 328 Clinical Experience 7</b> Students will apply ALARA radiation safety principles on patients, self and others *ALARA = As Low As Reasonably Achievable	X	X			X	4	3	2	2	2	2