

**CARTERET COMMUNITY COLLEGE
RADIOGRAPHY PROGRAM
ASSESSMENT PLAN**

August 1, 2022 to July 31, 2023

MISSION STATEMENT: Carteret Community College's Radiography Program is dedicated to the delivery of a quality education in radiography through continuous program improvement and actualization of program goals while fostering life-long learning. Through an outcome-focused learning environment the program will provide our healthcare community with competent, compassionate, professional entry-level radiographers who are prepared to sit for the American Registry of Radiologic Technologists (ARRT) examination, secure employment in their field, and engage in professional growth and development.

GOAL 1: Students will possess the knowledge and clinical competency skills of an entry-level radiographer.					
STUDENT OUTCOMES	MEASUREMENT TOOL	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	RESULTS
Outcome #1 Students will apply radiographic positioning knowledge and skills to accurately demonstrate the anatomy of interest.	RAD112 –Procedures II Final Practical Simulated Competency Exam Score	Each student will score on 80% or higher on the practical simulated clinical competency final exam.	1 st year – Spring Semester (RAD 112)	Course Instructor	<u>Spring 2023</u> N=17 90-100 =13 80-89 = 4 Below 80 =0 Class Ave:94.11
	RAD 161-Clinical Ed 2 Level 5 Competency Achievement Record	Each student(100%) will earn a Level 5 comp (under indirect supervision) on 5 ARRT required or elective clinical competencies	1 st year Spring Semester (RAD 161)	Course Instructor	<u>Spring 2023</u> N= 17 100%=17 90%=0 80%=0 Class Ave=100
Outcome #2 Students will perform radiographic exams in a time frame consistent with clinical standards.	RAD 171-Clinical Ed 3 Clinical Affective Evaluation Rubric (Question #16): Student routinely performs exams in a timely manner at their competency level and for the clinical site assigned.	Each student will score 4 or higher on Question #16 on the clinical affective evaluation.	1st Year Summer Semester (3 rd Semester)	Program Director	<u>Summer 2023</u> N=14 Score 5=7 Score 4=5 Score Below 4=2 Class Ave: 4.44

	RAD 271 Second Year Timed Practical Simulated Clinical Competency Evaluation	Each student (100%) will finish the Timed Practical Simulated Clinical Competency Evaluation on 10 randomly selected examinations in 45 minutes or less on the first attempt.	2nd Year Spring Semester (5 th Semester)	Program Director	<u>Spring 2023</u> <u>N=13</u> 45 minutes or less: 12/13 92% Over 45 minutes; 1/13= 8% Ave Time: 33.3 minutes
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GOAL 2: Students will communicate effectively.					
STUDENT OUTCOMES	MEASUREMENT TOOL	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	RESULTS
Outcome #1 Students will demonstrate effective oral communication skills in the clinical setting using age appropriate instructions and explanations on procedures performed in the clinical setting.	RAD 171 RAD Clinical Ed III Practical Simulated Clinical Competency Oral Patient Communication (Rubric)	Each student will score an 80% or higher on the practical simulated clinical competency oral patient communication rubric.	1 st Year – Summer Semester (3 rd semester)	Clinical Coordinator	Summer 2023: N=15 Score: 90-100=11 Score 80-89=3 Score Below 80=1 Class Ave: 91.33%
	Rad 251 Clinical Ed IV Evaluation of Oral Communication Skills (Rubric)	Each student will score a 90% or higher on the oral communication skills rubric.	2 nd Year – Fall Semester (4 th Semester)	Clinical Coordinator	Fall 2022: N= 13 90-100= 13 80-89=0 Below 80=0 Class Ave: 98.06
Outcome #2 Students will demonstrate written communication skills addressing clinical content.	RAD 161 Clinical Ed II Step by Step Description of procedure/process Rubric	Each student will earn an overall score of 80% or higher on a written description of a medical/diagnostic procedure/process.	1 st Year – Second Semester (2 nd semester) Second Year-Spring Semester	Clinical Coordinator	Spring 2023: N=17 Score 90-100=12 Score 80-89=5 Score Below 80=0 Class Ave.: 93.41

	RAD 211 RAD Pathological condition and Best Modality written summary (Rubric)	Each student will earn an overall score of 90% on a written description of a pathological condition and best modality to demonstrate.	(5 th semester)	Program Director	Fall 2022 N= 13 Score 90-100=12 Score 80-89=1 Score Below 80=0 Class Ave:95.34
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GOAL 3: Students will demonstrate critical thinking skills.					
STUDENT OUTCOMES	MEASUREMENT TOOL	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	RESULTS
Outcome #1 Students will possess the knowledge and ability to adapt positioning skills to various patient conditions and clinical situations.	Rad 113BB Rad Lab Elective Practical lab simulation rubric requiring altering positioning protocols to meet patient needs.	Each student group will score 80 or higher on the practical lab demonstration of an alternate procedure .	1 st Year Spring Semester (2 nd Semester)	Course Instructor	<u>Spring 2023</u> N=5 Groups Score 90-100=5 Score 80-89=0 Score Below 80=0 Class Ave for 5 Groups: 93.6%
	Rad 261 Rad Clinical V Clinical Affective Evaluation Rubric (Question #11.)	Each student will score 4 or higher on Question 11 on the clinical affective evaluation rubric.	2 nd Year Spring Semester (5 th Semester)	Program Director	<u>Spring 2023</u> N=12 Score 5=11 Score 4=1 Score Below 4=0 Class Ave: 4.94
Outcome #2 Students will evaluate images for proper positioning, demonstration of anatomy and image quality and will make adjustments as needed to obtain a diagnostic radiograph.	RAD 113BB –Rad Elective Image Critique	RAD 113BB Each student will score 80% or higher on demonstration of common positioning /imaging errors.	1 st Year Spring Semester (2nd Semester)	Course Instructor	<u>Spring 2023:</u> N=17 Score 90-100=100 Score 80-89=0 Score Below 80=0 Class Ave: 93.9%
	RAD 271-Rad Capstone: Common positioning/imaging errors rubric	RAD 271 Each student will earn an average score of 90% or higher on description of 3 common positioning/imaging	2 nd Year 2nd year – spring semester	Clinical Coordinator	<u>Spring 2023:</u> N=13 Score 90-100=11 Score Below 90=2 Class Ave:91.85

		errors and method to correct on second image.			
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PROGRAM OUTCOME	MEASUREMENT TOOL	BENCHMARK	TIME FRAME	RESPONSIBLE PARTY	RESULTS
Program Outcome #1: Program Completion Rate	Graduation Roster	70% or higher completion rate for each graduating class.	End of Program Last semester of second year)	Program Director	2023: 81.25% Enrolled N=20 4/20 WD due to personal reasons 3/20 WD due to academic reasons 13/16 completed: 81.25%
Program Outcome #2: Program Pass Rate on ARRT Credentialing Exam	ARRT Exam 1 st Time Pass Rates	Five-Year Average credentialing exam pass rate of not less than 75% for those graduates who passed on the first attempt compared to the number of graduates who took the exam within 6 months of graduation.	Six Months Post Graduation	Program Director	Class of 2023: 100% 2022: 93% 2021: 64% 2020:100% 2019: 100% N=71 examinees 69/71 passed on first attempt 5 year average: 92%
Program Outcome #3: Job Placement Rate	Graduate Survey or “Word of Mouth”	Five Year Average job placement rate of not less than 75% within twelve months of graduation for those seeking employment	Twelve Months Post Graduation	Program Director	Class of: 2022: 100% 2021: 100% 2020: 100% 2019: 100% 2018: 91% 5 year average: 97%
Program Outcome #4 Graduate Satisfaction	Graduate Survey (Question #11.15)	Minimum 80% Overall Satisfaction Rating with Program on preparing students to assume the role of an entry-level radiographer.	Six months Post Graduation	Program Director	Class of: 2022 N=16 5 returned 31% 100= 4 90 = 1 Ave: 98%

<p>Program Outcome #5 Employer Satisfaction</p>	<p>Employer Survey Overall Satisfaction Rating</p>	<p>Minimum 80% Overall Satisfaction Rating with Graduates on all returned surveys.</p>	<p>One year Post Graduation</p>	<p>Program Director</p>	<p>Class of: 2022: N= 10 7 returned All overall ratings were above 80%.</p>
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