

Outcomes Assessment Plan
Bacone College Radiography Program
Summer 2021-Spring 2022

The mission of Bacone College Radiography Program is to assist in meeting community needs for highly competent radiographers, who give skilled care with the respect for individual, cultural, and spiritual differences, while maintaining the college commitment to serving American Indians. This is accomplished through didactic education, offered in a nurturing *culturally diverse* environment, and clinical education provided at affiliated hospitals and clinics. The combination of theory and clinical practice enables the student to acquire the knowledge, skills, and professional values necessary for the practice of radiography in diverse community and clinical settings. (Fall 2021)

Goal 1: Students will be clinically competent.					
Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
1.1 Students will demonstrate overall clinical competency.	RAD2254-Clinical IV Clinical Student Evaluation Line items #1-10 2nd 8 weeks *Review of clinical competency	Class average of 80% on line items # 1-10 NKB 85	2nd year -Fall 2021 semester (4th semester)	Clinical Instructor	85/100 points possible= 85% Benchmark Met
	RAD2363-Clinical V Terminal Competency Evaluation All line items 1 st & 2 nd 8 weeks *Final four competencies	Class average of 80% on all line items NKB	2nd year -Spring 2022 semester (5th semester)	Clinical Coordinator	
	RAD2254-Clinical IV Clinical Student Self Evaluation Line item #3 (Total out of 3) *Projections, requisition review, room preparation	Class average of 80% on line item #3 NKB 3	2nd year -Fall 2021 semester (4th semester)	Clinical Coordinator	3/3 points possible= 100% Benchmark Met

1.2 Students will demonstrate proper radiation protection.	RAD1403-Radiation Protection: Comprehensive Final Exam *Retained knowledge of proper protection	Class average of 80% AP DR SR AS DS RW	1st year -Spring 2022 semester (2nd semester)	Course Instructor	
	RAD2363-Clinical V Terminal Competency Evaluation Line item #10 1 st & 2 nd 8 weeks *Addresses shielding	Class average of 80% on line item #12 NKB	2nd year -Spring 2022 semester (5th semester)	Clinical Coordinator	
	RAD2143-Clinical III Clinical Student Evaluation Line item #6 2 nd 8 weeks *Proper use of shielding	Class average of 80% on line item #6 NKB 100	2nd year-Summer 2021 semester (3rd semester)	Clinical Coordinator	100/100 points possible= 100% Benchmark Met
1.3 Students will demonstrate proper patient care skills.	RAD 1123- Patient Care; Comprehensive Final Exam *Retained knowledge of patient care skills	Class average of 80% AP 83 DR 91 SR 86 AS 83 RW 85	1st year -Fall 2021 semester (1st semester)	Course Instructor	428/500 points possible= 85.6% Benchmark Met
	RAD2363-Clinical V Terminal Competency Evaluation Line items #3-5 1 st & 2 nd 8 weeks *ID patient, explain exams, patient preparation	Class average of 80% on line items #3-5 NKB	2 nd year -Spring 2022 semester (5 th semester)	Clinical Coordinator	

	RAD2313-Clinical IV Clinical Student Evaluation Line items #7-10 1 st 8 weeks *Compare skills from the beginning of the semester	Class average of 80% on line items #7-10 NKB 350	2 nd year -Fall 2021 semester (4 th semester)	Clinical Coordinator	350/400 points possible= 87.5% Benchmark Met
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Action/Analysis: Data to be reviewed on December 2022.

SLO 1 –Tool 1: The clinical student evaluation provides feedback from the clinical site that the student can demonstrate these introductory exams skills. The benchmark was met. It is recommended that the tool stay on the assessment plan to see if the benchmark score raises with next class. This was a cohort of one so it will affect the benchmark outcome.

SLO 1 –Tool 2:

SLO 1 -Tool 3: The self evaluation provides feedback from the student to discern if they have the knowledge to demonstrate the introductory exam skills. The benchmark was met. It is recommended that the tool stay on the assessment plan at this time.

SLO 2 –Tool 1:

SLO 2 –Tool 2:

SLO 2 –Tool 3: The clinical student evaluation provides feedback from the clinical site that the student is adhering to the proper use of shielding. The benchmark was met. It is recommended that the tool stay on the assessment plan.

SLO 3-Tool 1: The Patient Care comprehensive final exam is a tool to demonstrate that the student retained information from the start to the end of the class. The score is right above the benchmark. It is also noted that there is one student in this cohort. The benchmark was met. It is recommended that the tool stay on the assessment plan at this time.

SLO 3- Tool 2:

SLO 3- Tool 3: The clinical student evaluation provides feedback of the students’ patient care skills. The score did meet the benchmark but areas of weakness need to be reviewed. The benchmark was met. It is recommended that the tool stay on the assessment plan.

Goal #2: Students will demonstrate communication skills.

Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
2.1 Students will be able to communicate orally with others in classroom and clinic settings.	RAD1224L-Imag. II Comprehensive Lab Skills Final Exam Line item #6 *Communicate respirations	Class average of 80% on line item #6 AP 100 DR 0 SR 0 AS 0 RW 0	1 st year-Fall 2021 semester (1st semester)	Lab instructor	100/500 points possible= 20% Benchmark Not Met
	RAD1224-Imag. II Oral Film Critique presentation scoring rubric *Eye contact, elocution	Class average of 80% AP 32/34 DR 33/34 SR 32/34 AS 32/34 RW 32/34	1 st year-Fall 2021 semester (1st semester)	Course Instructor	96/170 points possible= 56.47% Benchmark Not Met
	RAD1223-Clinical I Clinical Student Evaluation Line items #11-13 1 st 8 weeks	Class average of 80% on line items #11-13 AP 100 DR 100 SR 100 AS 67 RW 100	1 st year-Fall 2021 semester (1st semester)	Clinical Coordinator	467/500 points possible= 93.4% Benchmark Met
2.2 Student will be able to perform proper written skills.	RAD1224-Imag. II Written Film Critique Presentation Scoring Rubric *Follow directions for outline format, mechanics	Class average of 80% AP 14/17 DR 17/17 SR 14/17 AS 13/17 RW 14/17	1 st year-Fall 2021 semester (1 st semsester)	Course Instructor	72/85 points possible= 84.71% Benchmark Met

	<p>RAD1223-Clinical I Clinical Research Paper of Contemporary Trends items #4-15</p> <p>*Submit APA format and follow directions</p>	<p>Class average of 80% Line items #4-15 AP 63 DR 93 SR 93 AS 67 RW 83</p>	<p>1st year-Fall 2021 semester (1st semester)</p>	<p>Clinical Coordinator</p>	<p>399/500 points possible= 79.8% Benchmark Met</p>
	<p>RAD2413-Career Skills Cover Letter Scoring Rubric</p> <p>*Follow directions for professional letter</p>	<p>Class average of 80% NKB</p>	<p>2nd year-Spring 2022 semester (5th semester)</p>	<p>Course Instructor</p>	

Action/Analysis: Data to be reviewed on December 2022.

SLO 1 –Tool 1: Per previous assessment plan, the tool in use was the routine chest lab exam. This was changed to the comprehensive lab final to show that the skill of giving verbal commands (such as respirations) was being demonstrated over a variety of exams. The benchmark was not met. It is recommended that the tool stay on the assessment plan to cover this area of weakness.

SLO 1 –Tool 2: The students need to work on presenting to an audience. The focus tends to be on the screen, notes, or looking at the instructor. The benchmark was not met. It is recommended that the tool stay on the assessment plan to cover this area of weakness.

SLO 3- Tool 3: The clinical student evaluation provides feedback that the student is explaining the procedures to the patient and is communicating well. The benchmark was met. It is recommended that the tool stay on the assessment plan.

SLO 2 –Tool 1: The students did better on this portion of the assignment. There still needs to be work on following directions. One did not provide enough information, one was late, and some completed the assignment in paragraph format. The benchmark was met. It is recommended that the tool stay on the assessment plan at this time.

SLO 2 –Tool 2: The assessment tool was previously on the clinical competency form. For this plan, the clinical I research paper is being used to demonstrate the writing skills of the students and it includes APA format. The benchmark was met. It is recommended that the tool stay on the assessment plan.

SLO 2 –Tool 3:

Goal #3: Students will model professionalism.

Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
<p>3.1 Students will gain professional development knowledge outside the classroom.</p>	<p>RAD1223- Clinical I Clinical Research Paper of Contemporary Trends Scoring Rubric Line item #5</p>	<p>Class average of 80% Line item #5 AP 100 DR 100 SR 100 AS 100 RW 50</p>	<p>1st year-Fall 2021 semester (1st semester)</p>	<p>Clinical Coordinator</p>	<p>450/500 points possible= 90% Benchmark Met</p>
	<p>RAD2363-Clinical V Clinical Modality Evaluation Line items #15-19 1st & 2nd 8 weeks *Students receive knowledge of specialty areas</p>	<p>Class average of 80% Line items #15-19 NKB</p>	<p>2nd year -Spring 2022 semester (5th semester)</p>	<p>Clinical Coordinator</p>	
<p>3.2 Students will develop job placement skills.</p>	<p>RAD 2413-Career Skills Resume Scoring Rubric</p>	<p>Class average of 80% NKB</p>	<p>2nd year-Spring 2022 semester (5th semester)</p>	<p>Course Instructor</p>	
	<p>RAD2413-Career Skills Mock Interview Score Sheet</p>	<p>Class average of 80% NKB</p>	<p>2nd year -Spring 2022 semester (5th semester)</p>	<p>Course Instructor</p>	
<p>3.3 Students will display professional attitudes and behaviors.</p>	<p>RAD2363-Clinical V Clinical Student Evaluation Line items #15-19 1st 8 weeks *Professionalism at clinic</p>	<p>Class average of 80% on line items #15-18 NKB</p>	<p>2nd year-Spring 2022 semester (5th semester)</p>	<p>Clinical Instructor</p>	

	RAD2254-Clinical IV Clinical Student Self Evaluation Line item #2 (Total out of 3) 2 nd 8 weeks *Student critique	Class average of 80% on line item #2 NKB 2	2 nd year-Fall 2021 semester (4 th semester)	Clinical Coordinator	2/3 points possible= 66.67% Benchmark Not Met
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Action/Analysis: Data to be reviewed on December 2022.

SLO 1 –Tool 1: The tool from the last plan was the research paper about professional societies. The tool was changed to reflect the current topic of contemporary trends. The clinical research paper is a tool that provides a way for students to do research on the field of medical imaging. The benchmark was met. It is recommended that the tool stay on the assessment plan.

SLO 1 – Tool 2:

SLO 2 –Tool 1:

SLO 2 – Tool 2:

SLO 3 – Tool 1:

SLO 3 – Tool 2: The self evaluation provides feedback from the student and their understanding of professionalism at clinic. The student did not rate themselves high in the professional portion. The benchmark was not met. It is recommended that the tool stay on the assessment plan.

Goal #4: Students will develop critical thinking skills.					
Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
4.1 Students will learn to apply exposure technique adjustments when necessary.	RAD2363-Clinical V Terminal Competency Evaluation Line item #7 1 st & 2 nd 8 weeks *Final competencies to show technique adjustments	Class average of 80% Line item #7 NKB	2 nd year-Spring 2022 semester (5 th semester)	Clinical Coordinator	
	RAD2254-Clinical IV Clinical Student Self Evaluation Line item #1 (Total out of 3) 2 nd 8 weeks *Student critique	Class average of 80% on line item #1 NKB 2	2 nd year-Fall 2021 semester (4 th semester)	Clinical Coordinator	2/3 points possible= 66.67% Benchmark Not Met
4.2 Students will adapt to trauma situations within the clinical setting.	Clinical I thru V Trauma Competency Evaluation (4 different trauma scores)	Class average of 80% on the four trauma evaluations NKB	1st semester thru 5th semester-Fall 2020- Spring 2022	Clinical Instructor	
	RAD2313-Clinical IV Clinical Student Evaluation Line items #20-23 2 nd 8 weeks	Class average of 80% on line items #20-23 NKB 66	2 nd year-Fall 2021 semester (4 th semester)	Clinical Coordinator	66/100 points possible= 66% Benchmark Not Met

Action/Analysis: Data to be reviewed on December 2022.

SLO 1 –Tool 1:

SLO 1 –Tool 2: The self evaluation provides feedback from the student on how they demonstrating technique adjustment. The benchmark was not met. It is recommended that the tool stay on the assessment plan.

SLO 2 –Tool 1:

SLO 2 –Tool 2: The clinical student evaluation provides feedback on how the student demonstrates trauma skills. The student did not score well in this area. The benchmark was not met. It is recommended that the tool stay on the assessment plan.

Goal 5: Students will believe that the program is effective.

Outcome	Measurement Tool	Benchmark	Timeframe	Responsible Party	Results
5.1 Students will complete the program.	Graduation Spreadsheet	75% will complete the program	End of program- Spring 2022 semester (5 th semester)	Program Director	*June 2022
5.2 Students will pass national certification on the 1 st attempt.	ARRT National Certification Exam Pass Rate- 1 st attempt	75% will pass the national certification exam on the 1 st attempt	6 months upon completion of program	Program Director	5-year pass rate (2018-2022) Passed out of
5.3 Students will be satisfied with the education they received.	Student Satisfaction Survey Line items #1-7	75% will be satisfied with their education per line items #1-7	2 nd year -Spring 2020 semester (4 th semester) Finals Week	Program Director	
5.4 Graduates will be employed within 6 months.	Graduate Survey Line item #1	75% will be employed within 6 mths after graduation per line item #1	6 months upon completion of program	Program Director	Tentative November date
5.5 Employer satisfaction of recent graduates.	Employer Survey Line items #4-8	75% of surveys returned will show employer satisfaction with the graduate per line items #4-8	6 months upon completion of program	Program Director	Tentative November date

Action/Analysis: Data to be reviewed on December 2022.

PE 1:

PE 2:

PE 3:

PE 4:

PE 5:

*Assessment plan was reviewed by faculty on 12/14/21; will be reviewed again at later date.