

Program Assessment Report

Program: Radiography - Associate in Applied Science

Year: 23/24

Division: Health and Wellness

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Delta College



Actions Taken in Response to Last Year's Report

Rationale for Current Assessments

Assessment 1 of 4

Goal / Project

Perform as a competent entry-level radiographer.

Outcome(s)

Perform as a competent entry-level radiographer.

Standard / Objective

90% of Graduates will pass the ARRT certifying examination on the first attempt--ARRT exam results 73% of
students entering will complete the program within 30 months--Program data 75% of
Graduates seeking employment will become employed within 12 months of graduation--GS, Employment
Data Section #2 80% of
returned Employer surveys will have a rating of "excellent or very good" indicating satisfaction with
preparation of graduates--ES, #9 90% of Graduates will indicate
satisfaction with their preparation--GS, Program Performance Section, #1&2

Method of assessment

Graduate Survey(s)/ Interview(s)/ Focus Groups

Comment/Details about the method of assessment

Employer surveys, item #9; ARRT exam results, Graduate surveys, items #1 and 2; Progression data

Courses Affected

ALL

Time Frame

Annually

Submitted By

Result

Result

(2) Results met expectation/standard

How many students

18

Average Score

85.8

Percent that met standard

83.00%

Data Collection (general or specific stats regarding results)

100% of the 2023 graduates passed the ARRT exam on the first try. Average score was 85.8-- @@ above national average. 15/18 (83%)

students starting the cohort completed within 30 months.

@@ of returned Employer surveys

indicated that the program prepares graduates for employment

100% of

the graduates returning the survey (11) indicated satisfaction with their preparation

100% of the 2023 graduates were

employed as a radiographer within 12 months

What We Learned (areas for improvements, strengths, etc.)

RAD 258 Capstone seems to be a useful tool in ARRT Exam preparation. The addition of RadTechBootCamp has also increased the score on the exam. Many graduates of the class of 2019 were employed at their respective clinical sites PRIOR to graduation.

Use of Data to Improve Student Success

No improvements needed at this time. Will continue to prepare students for the workforce and for the ARRT Examination. Looking at two new Registry Prep Programs--HESI and Radtechbootcamp

Institutional Student Learning Outcome	Action plan items of what is planned based on the data and results
<input checked="" type="checkbox"/> Apply Knowledge and Skills	<input type="checkbox"/> Change assignments/activities <input type="checkbox"/> Update course or CC prog conte
<input checked="" type="checkbox"/> Think Critically	<input type="checkbox"/> Change materials provided <input type="checkbox"/> Update course or CC prog outcc
<input checked="" type="checkbox"/> Communicate Effectively	<input type="checkbox"/> Adjust grading rubric <input type="checkbox"/> Change course sequence or prerequisites
<input checked="" type="checkbox"/> Act Responsibly	<input type="checkbox"/> Continue to monitor and assess next outcome <input type="checkbox"/> Other
	<input type="checkbox"/> Review or update assessment proces

Assessment 2 of 4

Goal / Project

Students will be clinically competent

Outcome(s)

Perform as a competent entry-level radiographer.

Standard / Objective

Students will apply correct positioning skills
Students will set appropriate radiographic technical factors

Students will practice radiation protection (ALARA)

Method of assessment

Clinical Evaluation

Comment/Details about the method of assessment

RAD 135 First Clinical Performance Eval vs RAD 220 Final Performance Eval, Item 10
 RAD 135 First Clinical Performance Eval vs RAD 220 Final Performance Eval, Item 11
 RAD 135 First Clinical Performance Eval vs RAD 220 Final Performance Eval, Item 12

Courses Affected

RAD 220; RAD 108

Time Frame

Submitted By

Result

Result

(2) Results met expectation/standard

<u>How many students</u>	<u>Average Score</u>	<u>Percent that met standard</u>
18	85.8	83.00%

Data Collection (general or specific stats regarding results)

Positioning Skills/RAD 135-First Clinical Performance Eval: 91.9 Exceeds benchmark. Will continue to demonstrate, practice and assess in the procedures labs and in the final semester in the clinical setting. Will discuss with CP's to understand what the score may be based on for each site to ensure that we are, indeed, evaluating positioning skills and what the scoring represents. We will ask the CP's to review this with staff that are completing evaluations as well. It is critical for our analysis that students are evaluated based on the semester they are in.

Positioning Skills/RAD 220-Final Clinical Performance Eval: Students are to be evaluated as an entry level technologist as this is there final performance evaluation prior to graduation. The average score on this item for the final performance evaluation was 96. Students have demonstrated the skills of an entry level technologist

All students have completed required mandatory and elective competencies to satisfy graduation requirement

These were reviewed at our final "graduation readiness" visit from our clinical coordinator—the clinical preceptor and student discuss all evaluations, competencies and degree completion concerns. For this item, we are happy with the improvement from the first to the final clinical semester. There were no negative comments entered on the evaluation forms.

Appropriate

Technical Factors-First Clinical Performance Eval: 87.52 Exceeds benchmark. Technical factors are introduced in RAD 105, practiced in RAD 110 and then applied across clinical rotations. There should be a definite increase in the ability of the student technologist to manipulate factors for a quality radiograph as they progress each semester. One challenge is that many technologists no longer really understand the manipulation of technical factors beyond setting AEC/Anatomic programming. We will depend on our CP's to bridge this gap and offer in-services as the hospitals are willing. This will be discussed during progress time outs. This will also be stressed with Clinical Preceptors to explain the importance of this to clinical staff

Appropriate Technical Factors-Final Clinical Performance

Eval: The final performance evaluation score for this item averaged 95.5, showing significant improvement from the first clinical semester evaluation.

Students have demonstrated the ability to use proper technical factors that follow the ALARA principle and produce quality, diagnostic images.

These were reviewed at our final "graduation readiness" visit from our clinical coordinator—the clinical preceptor and student discuss all evaluations, competencies and degree completion concerns. For this item, we are happy with the improvement from the first to the final clinical semester. There were no negative comments entered on the evaluation forms.

Radiation Protection-First Clinical Performance Eval: 93.06. Exceeds benchmark for first clinical rotation. Faculty will discuss safety in every didactic course. This topic to be discussed at CP meeting to ensure CP's cover departmental safety protocols with students including any new shielding guidelines/protocols. The relationship between the manipulation of technical factors, collimation and shielding should always be included in each competency performed.

Radiation Protection-Final Clinical Performance Eval: An average score of 96 on the final performance evaluation indicates that the students have demonstrated they have knowledge of, and can apply their

knowledge to provide patients with the proper radiation safety.

These were reviewed at our final “graduation readiness” visit from our clinical coordinator—the clinical preceptor and student discuss all evaluations, competencies and degree completion concerns. For this item, we are happy with the improvement from the first to the final clinical semester. There were no negative comments entered on the evaluation forms.

What We Learned (areas for improvements, strengths, etc.)

Large interdisciplinary SIM has been on hold since COVID

Use of Data to Improve Student Success

Role play in the laboratory is critical

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Assessment 3 of 4

Goal / Project

Students will demonstrate appropriate critical thinking skills

Outcome(s)

Demonstrate appropriate critical thinking and problem-solving skills.

Standard / Objective

Students will think critically in order to meet patient care needs . radiographic image for quality.

Student will evaluate the

Method of assessment

Clinical Evaluation(s)

Comment/Details about the method of assessment

RAD 135 to RAD 220 Progression as per 1st Clinical Performance Eval vs Final Clinical Performance Eval, Item 2
 RAD 110 to RAD 220 Progression as per final lab challenge vs Final Clinical Performance Eval, Item 10

Courses Affected

RAD 110; RAD 135; RAD 220
 RAD 108 RAD 220

Time Frame

FA1, WN1, SP1, W2

Submitted By

Result

Result

(2) Results met expectation/standard

How many students

Average Score

Percent that met standard

18

88.4

100.00%

Data Collection (general or specific stats regarding results)

RAD 135-First Clinical Performance Eval: Average score of 88.4 for the first clinical rotation evaluation on this item. Although above benchmark, we will review again in final eval in hopes of seeing an increase in the students' abilities in this area. Also will be discussed in progress time outs with Students and Clinical Preceptors.

What We Learned (areas for improvements, strengths, etc.)

Use of Data to Improve Student Success

We continue to stress all of these things during laboratory experiments on campus.

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Assessment 4 of 4

Goal / Project

Students will demonstrate appropriate interpersonal communication skills

Outcome(s)

Demonstrate appropriate interpersonal communication skills.

Standard / Objective

Students will demonstrate appropriate interactions with patients, staff and physicians-Final Performance Evaluation Item 4, RAD 135 to RAD 220 *Students will demonstrate the ability to present information--RAD 108 Diversity Project to RAD 225 Final Case Study Presentation*

Method of assessment

Clinical Evaluation

Comment/Details about the method of assessment

Courses Affected

RAD 108; RAD 135; RAD 220

Time Frame

fall 2021; spring 2022; spring 2023

Submitted By

Result

Result

(2) Results met expectation/standard

How many students

18

Average Score

92.8

Percent that met standard

100.00%

Data Collection (general or specific stats regarding results)

RAD 135 (first clinical semester): Avg score of 92.85 for the First Clinical Semester (RAD 135). These are reviewed with students at progress time-outs. No concerns to be discussed with Clinical Preceptors at this time as we are satisfied with score. Will compare to final eval next semester.

What We Learned (areas for improvements, strengths, etc.)

Large interdisciplinary SIM has been on hold since COVID

Use of Data to Improve Student Success

Role play in the laboratory is critical

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Comments and Action Plan

Discipline/Program Comments

This group informally indicated that RAD 103 prepared them for the fall/entry semester of the program. Attrition is improved from last cohort

Advisory Board Comments

Assessment Committee Comments

Curriculum Council Comments

Action Plan

Underprepared students is our biggest challenge. Our prerequisites do not seem to serve a purpose. Most noticeable is a lack of retention of anatomy. We will work on incorporating some anatomy review/assessment in to our orientation process in summer. An anatomy review/assesemnt is now also woven in to RAD 103

Actions Taken in Response to Older Reports