Amarillo College-Radiography Program

Outcomes Assessment Plan 2026

August 2024-August 2025

Program Mission:

To provide a comprehensive educational environment that will prepare the radiography graduate to effectively engage in the daily challenges and responsibilities required of a competent and professional entry-level radiographer.

Goal 1: Monitor Program Effectiveness (updated 10/8/2026-mgh)					
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results
1. Students will complete the program and take the ARRT certification exam.	1. Satisfaction of all program requirements. 2. Completion of the ARRT certification exam.	1. No less than 75% of students will complete the program in all required courses. 2. No less than 75% of graduates will successfully complete the ARRT exam on first attempt.	1. During the program/ Within 12 months 2. Within 6 months of graduation	1. Program Director 2. Program Director	1. N=26 started program (3 exceptions (non-academic), per JRCERT Standard 6.1), 21 completed on time, 91% completion rate (SP 25) 2. 91% first time ARRT pass rate N=23 tested, N=21 passed 1st attempt (SP 25)
2. Program will assess graduate satisfaction.	1. Item #19 from Radiography Graduate Survey.	1. Average of 4.0 (5.0 Likert).	1. Within 12 months of graduation	1. Program Director	1. Avg: 4.93; N=15 returned, N=15 answered question #19
3. Program will assess employer satisfaction.	1. Item #20 from Employer Survey.	1. Average of 3.0 (4.0 Likert).	1. Within 12 months of graduation	1. Program Director	1. Avg: 3.7; N=11 returned, N=11 answered question #20
4. Program will assess employment rate.	1. Radiography Graduate Survey.	1. Within 12 months of graduation, 75% of graduates seeking employment in the field will find employment.	1. Within 12 months of graduation	1. Program Director	1. 100% employed in Radiologic Sciences. N=23 completed, N=23 employed

Analysis/Revisions/Recommendations (Goal 1: Monitor Program Effectiveness):

SLO 1, Tool #1: We are pleased with the 91% completion rate in 2025. 5-year comparison: 2021: 87%, 2022: 95.7%, 2023: 90%, 2024=87%, 2025=91%

SLO 1, Tool #2: We are excited to report SP 2025 pass rate 91%. We continued to utilize Corectec Radiography review in the SP 2025 and increase prep questions to align with the 230 total questions the graduates will see on the ARRT exam. In SP 2026 we went to Clover Learning ARRT exam prep plan. 5-year comparison: 2021: 90%, 2022: 87%, 2023: 95%, 2024=100%, 2025=91% 5-year average: 93%.

SLO 2: Benchmark surpassed. Average of 4.93 surpassed the benchmark. The SP 2025 graduate survey (second year to email) had 15 returned. 5-year comparison: 2021:3.7, 2022: 4.0, 2023:4.41, 2024=4.71. 2025=4.93 (5.0 Likert)

SLO 3: Benchmark surpassed. Employers continue to be pleased with AC graduates work performance, 2025 responses average 3.7 (4.0 Likert). 5-year comparison: 2021: 3.8, 2022: 3.75, 2023: 4.0, 2024: 3.88, 2025: 3.7

SLO 4: Benchmark surpassed. The AC Radiography program continues to have an outstanding employment rate for graduates. 5-year comparison: 2021: 90%, 2022: 100%, 2023: 95%, 2024=100%, 2025=100% 5-year average=97%.

Goal 2: Graduate will be clinically competent.					
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results
1. Student will provide appropriate radiation safety for patients and self.	1. Item 10 from clinical evaluation	1. 95% of students will score ≥4.0 (5.0 Likert)	1. 3rd (SU 25) & 5th (SP 25) semesters	1. Clinical Coordinator	1. 3rd semester, 98.7% scored ≥ 4.0, N=46 5th semester, 100% scored ≥ 4.0, N=69
	2. Radiation Safety assignment RADR 2313	2. Average score of ≥ 80%	2. 1st semester (FA 24)	2. Didactic instructor	2. Class average 75.72%, N=26 completed assignment
2. Students will recognize appropriate positioning skills and produce diagnostic images.	1. Item #15 from clinical evaluation	1. 95% of students will score ≥4.0 (5.0 Likert)	1. 5th semester (SP 25)	1. Clinical Coordinator	1. 95.6% scored ≥ 4.0, N=69
	2. RADR 2235, Procedures Exam, questions (#3 (humerus), 11 (abd.), 30 (pelvis), & 35 (calcaneus))	2. ≥ 80% of questions will be answered correctly	2. 5th semester (SP 25)	2. Didactic instructor	2. 86% of questions answered correctly, N=23 students for a total of 92 questions.

Analysis/Revisions/Recommendations (Goal 2: Graduate will be clinically competent):

SLO 1, Tool 1: Surpassed benchmark, the program continues to be pleased with the results.

SLO 1, Tool 2: Did not meet benchmark. Hopefully the FA 2024 class average is just an outlier, as the previous 3 years had an average of ≥ 80%. To better help student prepare for this assignment, in FA 2025, instructor added a non-graded pre assignment project that served as a ticket-to-take. Will monitor for improvements in FA 2025 results. 4-year comparison: FA 2021: 83.2; FA 2022: 85.6; FA 2023: 80.98; FA2024: 75.72

SLO 2, Tool 1: Surpassed benchmark.

SLO 2, Tool 2: Benchmark surpassed. Although benchmark surpassed, there was lower % of students answer questions correctly. Will continue to follow and ensure students continue to exceed benchmark. 5-year comparison: SP 2021: 91.9%, SP 2022: 84.7%; SP 2023: 93.4%; SP 2024: 93%; SP 2025: 86%

Goal 3: Graduate will display communication skills.					
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results
1. Student will demonstrate verbal skills when relating to patients.	1. Item 7 & 16 from Clinical Evaluation.	1. 95% of students will score ≥4.0 (5.0 Likert)	1. 1st (FA 24), 2nd (SP 25), 4th (FA 24), 5th (SP 25) semesters	1. Clinical Coordinator	1. 1st semester, 97.1% scored ≥4.0, N108; 2nd semester, 98.5% scored ≥4.0, N=142; 4th semester, 98.4% scored ≥ 4.0, N=132; 5th semester, 94.05% scored ≥ 4.0, N=138; Overall 97.06% scored ≥ 4.0, N=520
	2. Successful completion of Oral portion of the X-ray Beam Assignment RADR 1313	2. Students will score ≥ 80%	2. 2nd semester (SP 25)	2. Didactic instructor	2. 78.2% scored ≥ 80%, N=23 (**note:** SP 2025 was first time for this version of the oral portion)
2. Student will demonstrate written communication skills.	1. Successful completion of Written portion of Case Study RADR 2305	1. Students will average ≥ 85%	1. 4th semester (FA 24)	1. Didactic Instructor	1. Class average: 81.3%, N=23; 52% scored ≥ 85%
	2. Successful completion written portion of the X-ray Beam Assignment RADR 1313	2. Students will score ≥ 80%	2. 2nd semester (SP 25)	2. Didactic Instructor	2. 91% scored ≥ 80%, Average score 88.4

Analysis/Revisions/Recommendations (Goal 3: Graduate will display communication skills):

SLO 1, Tool 1: Benchmark surpassed except for fifth semester. We continue to be pleased with overall results. Clinical Coordinator will continue to implement role play as well as other teaching strategies to increase student success in this area. Starting in FA 2026, incoming Radiography students participated in an IPE event to help with communication & professional practice to align with standard 4.2.

SLO 1, Tool 2: Did not meet benchmark. SP 2025 oral portion of the X-Ray Beam Assignment was completely changed to better assess the student's verbal skills. Although the benchmark was not met, the outcome was not completely unpredictable. In SP 2026, used new prep work to help with student success. Will monitor to see if prep work brings overall grades up. Comparison data: (% scored ≥ 80%) 2022: 95%, SP 2023: 100%, SP 2024: 100%; SP 2025: 78.2%

SLO 2, Tool 1: We did not meet the benchmark. However, FA 2022 to FA 2024 there was an increase from 42% to 52% scoring ≥ 85%. Although we still want to see increase, the increase was encouraging. Comparison data: Scored ≥ 80%: FA 2022: 42%; FA 2023: 45.8%; FA 2024: 52%

SLO 2, Tool 2: Bench mark not meet. However, we are pleased with the increase from SP 2024. New prep work implemented in SP 2026, will monitor for greater % scoring ≥ 80%. Comparison data: (scored ≥ 80%) SP 2022: 90%, SP 2023: 96%, SP 2024: 77%; SP 2025: 91%

Goal 4: Graduate will display critical thinking/problem-solving skills.					
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results
1. Students will be able to evaluate radiographic images for acceptability.	1. Image Acceptability/Critique Assignment RADR 1202 & RADR 1250	1. The students will score an ≥ 85% in 1202 and average score of ≥ 90% in 1250	1. 3rd semester (SU 25) & 5th semester (SP 25)	1a. Didactic instructor	1. 1202 (SU 25): Chest avg.: 79%; Abdomen avg.: 84%; Upper extremity avg.: 88%; Lower extremity avg.: 88% 1250 (SP 2025): C-spine avg: 84%; L-spine avg.:88%; Skull avg.: 88%; GI avg.:81%
	2. Item #9 on Clinical Evaluation in Practicum V	2. 95% of students will score ≥4.0 (5.0 Likert)	2. 5th semester (SP 25)	2. Clinical Coordinator	2. 100% scored ≥ 4.0, N=69
2. Students will demonstrate adaptive behavior for critical or stressful scenarios.	1. Item 11 on Clinical Evaluation in Practicum V	1. 95% of students will score ≥4.0 (5.0 Likert)	1. 5th semester (SP 25)	1. Clinical Coordinator	1. 100% scored ≥ 4.0, N=69
	2. Successful completion of Oral portion of Case Study RADR 2305	2. The student will score ≥ 85%	2. 4th semester (FA 24)	2. Didactic Instructor	2. 100%, scoring ≥ 85%, N=23 total.

Analysis/Revisions/Recommendations (Goal 4: Graduate will display critical thinking/problem-solving skills):

SLO 1, Tool 1: Benchmark not met. The chest eval results showed improvement from SU 2024 to SU 2025. In RADR 1250 there was an increase in l-spine evaluations from SP 2024 to SP 2025 and skull and GI held relatively steady. Instructor will continue to help ensure students are utilizing active learning techniques to help raise other scores and move closer to surpassing the benchmark.

SLO 1, Tool 2: Benchmark surpassed, the program is pleased with the results.

SLO 2, Tool 1: Benchmark surpassed

SLO 2, Tool 2: Benchmark surpassed, there was an increase from FA 2022 to FA 2023. We are glad for the increase. Comparison data: (scored ≥ 85%) FA 2022: 78.9%; FA 2023: 87.5%; FA 2024: 100%

Goal 5: Graduate will exhibit professional development.					
Student Learning Outcome (SLO)	Measurement Tool	Benchmark	Timeframes	Group/Person Responsible	Results
1. Students will be able to demonstrate conduct as outlined in the ARRT "Code of Ethics".	1. Item 14 on Clinical Evaluation in Practicum V 2. RADR 1203, Pre-selected questions on Exam 4	1. 95% of students will score ≥4.0 (5.0 Likert) 2. ≥ 80% of questions will be answered correctly	1. 5th semester (SP 25) 2. 1st semester (FA 24)	1. Clinical Coordinator 2. Didactic Instructor	1. 100% scored 5, N=69 2. 92% of questions answered correctly, N=125 question attempts, N=115 correct answers; N=25 students.
2. Students will be able to differentiate between various modalities and professional organizations.	1. RADR 1201 five pre-selected questions on Exam #1 2. RADR 2309-Modality/Professional Organizations Assignment	1. Students will score ≥ 80% 2. Students will average ≥ 85%	1. 1st semester (FA 24) 2. 4th semester (FA 24)	1. Didactic Instructor 2. Didactic Instructor	1. 95 % of questions answered correctly, N=125 question attempts, N=119 correct answers. 2. class average: 83%; 10 scored ≥85%, N=23 students completed assignment

Analysis/Revisions/Recommendations (Goal 5: Graduate will exhibit professional development):

SLO 1, Tool 1: We are pleased with 100% of students scoring 5.0 on this tool. Comparison data: SP 2022: 100%, SP 2023: 100%, SP 2024: 100%, SP 2025: 100%

SLO 1, Tool 2: Benchmark surpassed. There was approximately a 10% increase in correct answers from FA 2023-FA 2024. Comparison data: 2022: 94.6%, 2023: 82.5%, 2024: 92% answered correctly

SLO 2, Tool 1: Benchmark surpassed. There was a significant increase from FA 2023 (79.3% answered correctly) to FA 2024 (95% answered correctly). Comparison data: FA 2022: 86.67%, FA 2023: 79.3%; FA 2024: 95%.

SLO 2, Tool 2: Benchmark not surpassed, FA 2022 was first time for this format of assignment. In FA 2025 implemented new prep. work (Ticket to Take). Will continue to monitor for upward trends in the data. Comparison data: FA 2022: 81%; FA 2023: 87%; FA 2024: 83%

Overall Analysis:

The Amarillo College Radiography program is thrilled to have a 93% first time ARRT pass rate for the 2021-2025 AC Radiography graduates. We continually aim to increase student retention and knowledge. Furthermore, we understand there is work to done regarding helping students increase results on certain measurement tools such as the image evaluation assignments, RADR 1313 x-ray beam assignment, and written portion of RADR 2305 case study. We will collectively continue to help students succeed as entry level Radiologic Technologists.