

**Outcomes Assessment Plan
Hinds Community College
Radiologic Technology Program
Spring 2024 – Spring 2025
Graduates of 2025**

Goal 1– Students will be clinically competent and develop the ability to function as a radiologic technologist					
Student Learning Outcomes	Measurement Tools -	Timeframe –	Benchmark -	Actual Data Results	Past 3 – 5 years of Data Results –
1. Students will demonstrate competency and safe practice of radiologic procedures	Procedure final competency checkoffs (Terminals)	Measured in the 2 nd year - Spring Semester	100% of students will score 90 or higher	Goal Met n= 20 Mean: 95.43 range: 90-98 20 students scored 90 or higher on final procedure checkoffs.	2025: 95.43 n = 20 2024: 95.97 n = 18 2023: 95.76 n = 17 2022: 96.9 n=13 2021: 96.0 n=15
	Clinical Exit Competency Evaluation	Measured in the 2 nd year – Spring Semester	100% of students will score 90% or higher	Goal Met. N=20 Mean: 3.89 (97%) Range: 3.71-4.0 100% of students scored 3.65 or higher on the clinical exit competency survey	2025: 3.89/4.0, n=20 2024: 3.89/4.0, n=18 2023: 3.88/4.0 97% n = 17 2022: (3.90/4.0) 98%, n= 13 2021: (3.96/4.0) 99% n=15

2 Students will demonstrate proper use of equipment	Trajecsys Competency Assessment #8: “Sets control panel correctly and operates equipment satisfactorily”	Measured in 1 st year – Spring Semester	Average class score of 8.5 or higher (10-point scale) 1 st year	Goal Met n=20 mean: 9.95 100% scored >8.5	2025: 9.95 & 9.95 n=20 2024: 9.88 & 9.95 n+ 18 2023: 9.90 & 9.92 n= 18 & 17 2022: 9.97 & 9.87 n=13 2021: 9.94 & 9.95 n=15
		Measured in 2 nd year – Fall Semester	(we raised this from 8.5 to 9.0 for the second year) Average class score of 9.0 or higher (10-point scale) 2 nd year	n=20 mean: 9.95 100% scored >9.0	
	Trajecsys Evaluation Positioning #2: “Demonstrates proper use of equipment according to student’s level of training”	Measured in 1 st year- Spring Semester	Average class score of 3.5 or higher (4-point scale) for 1 st year	Goal Not Met n=20 mean: 3.82 85% scored > 3.5 15 % scored < 3.5	2025: 3.82 & 3.94 n=20 2024: 3.72 & 3.92 n=18 2023: 3.93 & 3.90 n= 18 & 17 2022: 3.90 & 3.99 n=13 2021: 3.73 & 3.91 n=15
		Measured in 2 nd year Fall Semester	Average class score of 3.5 or higher (4-point scale) for 2 nd year	Goal Met n=20 mean:3.94 100% scored > 3.5	

Student Learning Outcome 1 Student will demonstrate competency and safe practice of radiologic procedures

Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:

Goal 1, SLO 1, Measurement Tool 1: (Procedure Final Competency Checkoffs): The benchmark for the class of 2025 was met with all 20 students scoring 90 or above on the terminal competency check offs during their final semester. Data analysis has continued to show high scores over the past 3 years.

Goal 1, SLO 1, Measurement Tool 2: (Clinical Exit Competency Evaluations): The benchmark for the class of 2024 clinical exit competency evaluation was met. 100% of all students had an average score of 3.65 or higher, with a combined total average of 3.89 (97%) total.

Action Plan based on Analysis: Based on results of data analysis for SLO 1 Measurement Tool 1 and 2, the committee suggests raising the benchmark to 95 for all students.

Results/Improvement(s) noted based on the action plans that were implemented: Benchmarks continue to be met, the assessment committee decided to raise the benchmark in Fall of 2025 for the Graduates of 2026 to 95 or higher for terminal procedure competency check-off from the previous benchmark of 90.

Re-evaluation Date: Fall 2026

Student Learning Outcome 2 Student will demonstrate proper use of equipment

Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:

Goal 1, SLO 2, Measurement Tool 1: (Trajecsys Competency Assessment #8 “sets the control panel correctly and operates the equipment satisfactorily”):

The benchmark for the class of 2025 was met with all 18 students scoring above a 8.5 or higher (10 point scale) on Trajecsys Competency #8 for Timeframe 1 and a score of 8.5 or higher for 17 students (10 point scale) for timeframe 2. The time frame for measurement was conducted at two points in the student’s curriculum, the first measured in the Spring Semester of the student’s first year and the second measurement in the Fall Semester of the student’s second year. All students met the benchmark for both measurements with a class average score of 9.95 and 9.95.

Goal 1, SLO 2 Measurement Tool 2: (Trajecsys Evaluation Positioning #2 “applies proper radiographic positioning appropriate to level of instruction”):

The benchmark for the class of 2025 was **not** met with all 17 of 20 students scoring above a 3.5 or higher (4 point scale) on Trajecsys Clinical Evaluation Positioning #2 for Timeframe 1 was met with 20 of 20 students scoring of 3.5 or higher (4 point scale) for timeframe 2. The time frame for measurement was conducted at two points in the student’s curriculum, the first measured in the Spring Semester of the student’s first year and the second measurement in the Fall Semester of the student’s second year. Results: average class score of 3.82 and 3.94

Action Plan based on Analysis: Analysis of data obtained from the past 5 years shows improvement with increasing scores for SLO2, Measurement Tool #1. But decrease in scores for Measurement tool #2. As a result, no changes are suggested at this time but continue to monitor the results and reinforce manual technique reasoning, field orientation terminology, marker placement and control panel setup.

Results/Improvement(s) noted based on the action plans that were implemented: Students continued to score high on the Trajecsys Competency Eval # 8 but scored lower on the Weekly Evaluation Assessment

Re-evaluation Date: Fall 2026

**Outcomes Assessment Plan
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Goal 2– Students will use critical thinking and problem-solving skills					
Student Learning Outcomes	Measurement Tools -	Timeframe –	Benchmark -	Actual Data Results	Past 3 – 5 years of Data Results –
1. Students will adapt technique for body size and pathology	Trajecsyst Competency Assessment #2 “Properly assesses patient) evaluates and determines the status of the patient, ex. Pregnancy) and prepares the exam room accordingly.	Measured in the 1 st year - Spring Semester	Average class score of 8.5 or higher (10-point scale) 1 st year	Goal Met n=20 mean: 9.98 100% scored >8.5	2025: 9.98 & 9.99, n=20 2024: 9.93 & 9.97, n=18 2023: 9.94 & 10.00, n=18 & n=17 2022: 9.99 & 9.98 n=13 2021: 9.98 & 9.97 n=15
		Measured in the 2 nd year - Fall Semester	Average class score of 8.5 or higher (10-point scale) 2 nd year	Goal Met: 9.99 n=20 mean: 9.99 100% scored >8.5	
	Trajecsyst Evaluation Positioning #3: All Students: (applies proper radiographic positioning appropriate to the level of instruction)	Measured in 1 st year- Spring Semester	Average class score of 3.5 or higher (4-point scale) for 1 st year	Goal Not Met n=20 mean: 3.82 90% scored > 3.5 10% scored < 3.5	2025: 3.82 & 3.95, n=20 2024: 3.78 & 3.90, n=18 2023: 3.91 & 3.92 n= 18 & n= 17 2022: 3.93 & 3.98 n=13 2021: 3.77 & 3.83 n=15
		Measured in 2 nd year Fall Semester	Average class score of 3.50 or higher (4-point scale) for 2 nd year	Goal Met n=20 mean: 3.95 100% scored > 3.5	

2 Students will be able to perform well under pressure	Old: Graduate Survey #11 New: Trajecsys Evaluation # 16 “Performs well under pressure”	Measured in 1 st year- Spring Semester Measured in 2 nd year Fall Semester	Average class score of 2.5 or higher (4-point scale) for 1 st year Average class score of 3.50 or higher (4-point scale) for 2 nd year	Goal Not Met of 95% average scores of 2.5 or higher (95% >2.5 and 5% < 2.5) Goal Met: 100% scored >3.5	2025: 3.5 & 3.97, n=20 2024: 3.73 & 3.85, n=18 2023: 5.0, n = 17 2022: 5.0 n=13 2021: 4.93 n=15
	Image Analysis Critique Final Competency Check-off, Average of all students	Measured in 2 nd year Spring Semester	100% of Students will score 85.0 or higher	Goal Not Met n= 20 mean: 88.033 range: 76.23 - 95.76 17 students scored above 85 and 3 students scored below (85% met goal)	2025: 88.03, n=20 2024: 88.74, n=18 2023: 91.35 n= 17 2022: 89.86 n=13 2021: 88.35 n=15

Student Learning Outcome 1 Students will adapt technique for body size and pathology
Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:
Goal 2, SLO 1, Measurement Tool 1: (Trajecsys competency assessment #2 “properly assesses patient (evaluates and determines the status of the patient) and prepares the room accordingly): The benchmark for the class of 2025 was met with all 20 students scoring above a 8.5 or higher (10 point scale) The time frame for measurement was conducted at two points in the student’s curriculum, the first measured in the Spring Semester of the student’s first year and the second measurement in the Fall Semester of the student’s second year. All 20 students met the benchmark for both measurements with a class average score of 9.98 and 9.99. The measurement tool was changed in 2022 therefore we have had data trends for the past 3 years at the lower benchmark. Students have scored high on this assessment for the past three years.
Goal 2, SLO 1, Measurement Tool 2: (Trajecsys Evaluation Positioning #3 “applies proper radiographic positioning appropriate to the level of instruction): The benchmark for Evaluation positioning #3 was NOT met with an average class score of 3.82 for the first measurement during the Spring Semester of the first year. 18 of 20 Students scored above 3.5 and 2 students scored below 3.5. For the second measurement students had a class average score of 3.50 during the Fall Semester of the second year with all 20 students meeting the benchmark

Action Plan based on Analysis: The Fall 2025 OA Committee agreed that even though the goal was met, the students' knowledge of technique is a weak area. It was suggested that students log techniques for competencies to improve setting techniques. The decision was made to raise both measurements to 9.0 for the 2026 graduates for SLO1, Measurement tool 1. Since the goal was not met for SLO1, Measurement tool 2, the committee suggest keeping the same benchmark and continuing to monitor

Results/Improvement(s) noted based on the action plans that were implemented: Benchmarks continue to be monitored since the goal was not met for SLO1 Measurement tool 2.

Re-evaluation Date: Fall 2026

Student Learning Outcome 2 Students will be able to perform well under pressure

Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:

Goal 2, SLO 2, Measurement Tool 1: (Graduate Survey Question #11 This was changed in Fall of 2023:

Goal 2, SLO 2 Measurement Tool 1: Trajecsys Evaluation #16: “Performs well under pressure”-The goal was not met for SLO2, Measurement tool #1, with 19 of 20 students scoring a 2.5 or higher on a 4-point scale.

Goal 2, SLO 2 Measurement Tool 2: (Image Analysis Critique Final Competency check-off): The benchmark for the 2025 class was not met with 17 of 20 students scoring above 85 on the terminal film critique check offs during their final semester and 3 students scoring below the benchmark. The Average score was 88.74. Data analysis continues to show high scores for the past several years

Action Plan based on Analysis: Analysis of data obtained from the past 5 years shows consistent high scores. No current action plan recommended based on results of data analysis for SLO 2 Measurement Tool 1 or Measurement Tool 2 due to not meeting the benchmarks

Results/Improvement(s) noted based on the action plans that were implemented: Will continue to monitor student's score with the newly raised benchmarks to see if we need to keep or revise.

Re-evaluation Date: Fall 2026

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Goal 3– Students will communicate effectively in written, verbal and non-verbal communication					
Student Learning Outcomes	Measurement Tools -	Timeframe –	Benchmark -	Actual Data Results	Past 3 – 5 years of Data Results –
1. Students will be able to explain procedure and/or instructions to patient prior to and during an exam	Trajecsys Evaluation Patient Care #9 “Explains the procedure prior to the exam and/or gives proper instructions to the patient during the exam”	Measured in the 1 st year - Spring Semester	Average class score of 3.0 or higher (4-point scale) 1 st year This was changed from 2.0 to 3.0	Goal Met n=20 Mean: 3.83 100% scored >3.0	2025: 3.83 & 3.98, n=20 2024: 3.81 & 3.91, n=18 2023: 3.96 & 3.95 n=17 2022: 3.91 & 4.00 n=13 2021: 3.90 & 3.99 n=15
		Measured in the 2 nd year - Fall Semester	Average class score of 3.5 or higher (4-point scale) 2 nd year	n=20 mean: 3.98 100% scored >3.5	
	Trajecsys Competency Assessment #3: introduces themselves and explains the exam in terms the patient fully understands)	Measured in 1 st year- Spring Semester	Average class score of 8.5 or higher (10-point scale) for 1 st year These were changed from 6.5 to 8.5 for first years and from 8.5 to 9.0 for second years)	Goal Met n=20 mean: 9.98 100% scored > 8.5	2025: 9.98 & 9.98, n=20 2024: 9.92 & 9.98, n=18 2023: 9.95 & 10.00 n=17 2022: 9.99 & 9.92 n=13 2021: 9.94 & 9.98 n=15
		Measured in 2 nd year Fall Semester	Average class score of 9.0 or higher (10-point scale) for 2 nd year	Goal Met: n=20 mean: 9.98 100% scored > 9.0	

2 Students will be able to demonstrate effective written and oral communication skills	New: Ethics Oral Presentation	Measured in 2 nd year Fall Semester	100% of Students will score a level 2 or higher on course rubric	Goal Met, n=20 with 100% of student scores of 2 or higher. (20 of 20 students)	2025: 100% n = 20 2024: 94% n= 18 2023: 88% n= 17 2022: 100% n=13 2021: 93% n=15
	New: Ethics Paper	Measured in 2 nd year Fall Semester	100% of Students will score a level 2 or higher on course rubric	Goal Met n= 20 20 of 20 students scored 2 or higher (100%)	2025: 100% n= 20 2024: 100% n= 18 2023: 82% n= 17 2022: 85% n=13 2021: 40% n=15

<p>Student Learning Outcome 1 Students will be able to explain procedure and/or instructions to patients prior to and during exam</p> <p>Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:</p> <p>Goal 3, SLO 1, Measurement Tool 1: (Trajecsyst Evaluation Patient Care #9 “Explains procedure prior to the exam and/or gives proper instructions to the patient during the exam): The benchmark for the class of 2025 was met with all 20 students scoring above a 3.0 or higher (4 point scale) on Trajecsyst Evaluation #9 for Timeframe 1 and a score of 3.5 or higher (4 point scale) for timeframe 2. The time frame for measurement was conducted at two points in the student’s curriculum, the first measured in the Spring Semester of the student’s first year and the second measurement in the Fall Semester of the student’s second year. All 20 students met the benchmark for both measurements with a class average score of 3.83 and 3.98. The measurement tool has shown data consistently trending upwards for the past five years.</p> <p>Goal 3, SLO 1, Measurement Tool 2: (Trajecsyst Competency Assessment #3 “introduces themselves and explains the exam in terms the patient fully understands): The benchmark for Competency Assessment #3 was met with an average class score of 9.98 for the first measurement during the Spring Semester of the first year and 9.98 during the Fall Semester of the second year. This Measurement tool has been used for 3 years and there is a slight upward increase in data score trending.</p>
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Action Plan based on Analysis: Since both Benchmarks were recently raised for SLO1, Measurement Tools 1 and 2, the committee feels that these benchmarks should not be raised at this time but continue to monitor the results. I

Results/Improvement(s) noted based on the action plans that were implemented: Benchmarks will continue to be measured using the newly raised criteria.

Re-evaluation Date: Fall 2026

Student Learning Outcome 2 Students will be able to demonstrate effective written and oral communication

Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:

Goal 3, SLO 2, Measurement Tool 1: (Ethics Oral Presentation): The benchmark for Goal 2, SLO 2, Measurement tool one was met with all students scoring a 2 or above on the presentation rubric (100%). This is an improvement in previous reporting cycles.

Goal 3, SLO 2 Measurement Tool 2: (Written Paper): The benchmark for the class of 2025 was met with all 20 students scoring above a 2 or higher on the rubric. Although analysis of student performance regarding written communication has improved significantly in the past five years, students continually struggle with meeting this benchmark.

Action Plan based on Analysis: For SLO 2 Measurement tools 1 and 2 the Goal was met in 2025 with 100% of students scoring level 2 or greater.

Results/Improvement(s) noted based on the action plans that were implemented: Increased scores may be attributed to the action plan that was implemented in Fall of 2021. The committee did not change this benchmark but will continue to utilize these benchmarks for the class of 2026

Re-evaluation Date: Fall 2026

**Hinds Community College
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Graduates of 2025**

Goal 4– Students will exhibit professionalism and quality patient care					
Student Learning Outcomes	Measurement Tools -	Timeframe –	Benchmark -	Actual Data Results	Past 3 – 5 years of Data Results –
1. Students will develop safe, competent patient care skills	Trajecsys Student Evaluation Question #8 (Patient Care) “Correctly identifies patient using clinical site protocol”	Measured in the 1 st year - Spring Semester	Average class score of 3.0 or higher (4-point scale) for 1 st year (This was changed from 2.5 to 3.0)	Goal Met n=20 Mean: 3.87 100% scored >3.0	2025: 3.87 & 3.99, n=20 2024: 3.90 & 3.93, n=18 2023: 3.98 & 3.96 n= 17 2022: 3.96 & 4.00 n=13 2021: 3.98 & 3.99 n=15
		Measured in the 2 nd year - Fall Semester	Average class score of 3.5 or higher (4-point scale) for 2 nd year	n=20 mean: 3.99 100% scored >3.5	
	Trajecsys Student Evaluation Question #11 (Patient Care): Is attentive to the patient’s needs patient cleanliness, proper housekeeping, etc.)	Measured in 1 st year- Spring Semester	Average class score of 2.5 or higher (4-point scale) for 1 st year	Goal Met n=20 mean: 3.80 100% scored > 2.5	2025: 3.80 & 3.99, n=20 2024: 3.88 & 3.92, n=18 2023: 3.98 & 3.95, n=17 2022: 3.97 & 3.99 n=13 2021: 3.94 & 3.95 n=15
		Measured in 2 nd year Fall Semester	Average class score of 3.5 or higher (4-point scale) for 2 nd year	Goal Met n=20 mean: 3.99 100% scored > 3.5	

2 Students will demonstrate professional behavior	Trajecsys Student Evaluation Question #15 (General): “accepts constructive criticism with a positive attitude”)	Measured in 1 st year- Spring Semester Measured in 2 nd year Fall Semester	Average class score of 3.5 or higher (4-point scale) for 1 st year Average class score of 3.5 or higher (4-point scale) for 2 nd year	Goal NOT Met n=20 mean: 3.82 85% scored > 3.5 15% scored < 3.5 Goal MET n=20 mean: 3.99 100% scored > 3.5	2025: 3.82 & 3.99 n=20 2024: 3.89 & 3.93 n=18 2023: 3.96 & 3.95 n= 17 2022: 3.95 & 3.99 n=13 2021: 3.94 & 3.91 n=15
	Student Disciplinary Referral Form	Measured in 1 st year- Spring Semester Through the 2 nd year Spring Semester	100% of Students will receive no more than 2 write ups for the indicated time frame	Goal not Met for the timeframe n= 20, 11 students had no more than 2 write ups (55%) 9 students had more than 2 write ups (45%)	2025: 55%, n=20 2024: 83%, n=18 2023: 83%, n=18 2022: 92% n=13 2021: 100% n=15

<p>Student Learning Outcome 1 Students will exhibit professionalism and quality patient care</p> <p>Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:</p> <p>Goal 4, SLO 1, Measurement Tool 1: (Trajecsys Student Evaluation #8 “Correctly identifies patient using clinical site protocol): The benchmark for Evaluation positioning #8 was met with an average class score of 3.87 for the first measurement during the Spring Semester of the first year and 3.99 during the Fall Semester of the second year. This Measurement tool has been used for 3 years and there is a slight upward increase in data score trending.</p> <p>Goal 4, SLO 1, Measurement Tool 2: (Trajecsys Student Evaluation #11 “student is attentive to patient’s needs”): The benchmark for Evaluation positioning #11 was met with an average class score of 3.80 for the first measurement during the Spring Semester of the first year and 3.99 during the Fall Semester of the second year. This Measurement tool has been used for 3 years, and the scores remain consistent. The committee suggests raising this benchmark from 2.5 to 3.0 for the Class of 2027.</p>

Action Plan based on Analysis: The action plan based on results of data analysis for SLO 1 Measurement Tool 1 is to continue to monitor for the first-year students in the Spring Semester, Data analysis for Measurement Tool 2 will change from 2.5 to 3.0 for the first-year students in the Spring also.

Results/Improvement(s) noted based on the action plans that were implemented: Benchmarks will continue to be monitored with the newly raised criteria.

Re-evaluation Date: Fall 2026

Student Learning Outcome 2 Students will demonstrate professional behavior

Analysis: (Include key findings, 3–5-year trending comparisons, steps to take to enhance student learning:

Goal 4, SLO 2, Measurement Tool 1: (Trajecsys Student Evaluation #15 “accepts constructive criticism with a positive attitude”): The benchmark for Goal 4, SLO 2, Measurement tool one was not met. 17 of 20 students scored relatively high for this benchmark with 3 students scoring below the benchmark. and the data remains constant for the past 3 years. The benchmark for Measurement tool #2 was met with all students scoring above 3.5 or higher.

Goal 4, SLO 2 Measurement Tool 2: (Student Disciplinary referral): The benchmark for the class of 2025 was not met with all students receiving 2 or less write ups for the indicated time frame. 11 students had no more than 2 write-ups, and 9 students had more than 2 write-ups.

Action Plan based on Analysis: Since SLO4, Measurement tool was raised last cycle, the committee suggests maintaining this benchmark and continuing to monitor. SLO4 Measurement tool 2, was not met. The committee suggests possibly revising the disciplinary policy to distinguish between behavioral versus technical issues i.e. "forgot to clock in"

Results/Improvement(s) noted based on the action plans that were implemented: Benchmark was not met for Measurement tool 2 and will continue to be monitored. Discussion will be made at the next assessment committee meeting regarding the improvement of scores.

Re-evaluation Date: Fall 2026

