

## Class of 2023 Assessment Results for Student Learning Outcomes & Program Effectiveness

**Program Mission:** The mission of the St. Petersburg College Radiography Program is to provide the knowledge, skills, and attitudes that will culminate in successful employment of the graduate as a Registered Technologist in Radiography or RT(R). The program will provide a foundation that will promote life-long learning and prepare students for rewarding careers within the profession.

**Goal #1:** Students will be clinically competent.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<b>Students will employ proper radiographic positioning techniques.</b>	Average responses to question B.4 from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b>	Average score of 80% or higher (5-point scale)	<b>December of:</b> 2019: 94% 2020: 84% 2021: 82% 2022: 91% 2023: 84%	This outcome experienced a decline in 2023. The results do improve significantly during their second year in the program. A watch will be placed on this outcome for the Class of 2024.
	Average responses to question B.4 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b>	Average score of 80% or higher (5-point scale)	<b>December of:</b> 2019: 96% 2020: 86% 2021: 94% 2022: 93% 2023: 92%	This outcome continues to trend at a consistently high level.

**Goal #1 Continued:** Students will be clinically competent.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<p><b>Students will set appropriate technical factors.</b></p>	<p>Average responses to question 3 of the Competency Evaluation Form</p>	<p>A random sampling of 30 <b>first year students</b> will score a combined average of 80% or higher during their second semester of Clinic. (3-point scale)</p>	<p><b>December of:</b></p> <p>2019: 93%</p> <p>2020: 88%</p> <p>2021: 88%</p> <p>2022: 93%</p> <p>2023: 90%</p>	<p>This outcome continues to trend at a consistently high level.</p>
	<p>Average responses to question 3 of the Competency Evaluation Form</p>	<p>A random sampling of 30 <b>second year students</b> will score a combined average of 80% or higher during their final semester of Clinic. (3-point scale)</p>	<p><b>December of:</b></p> <p>2019: 94%</p> <p>2020: 91%</p> <p>2021: 94%</p> <p>2022: 93%</p> <p>2023: 93%</p>	<p>This outcome improves in the second year and continues to trend at a consistently high level.</p>
<p><b>Students will utilize proper radiation protection techniques.</b></p>	<p>Average responses to question B.3 from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2019: 97%</p> <p>2020: 97%</p> <p>2021: 86%</p> <p>2022: 99%</p> <p>2023: 84%</p>	<p>This outcome experienced a decline in 2023. The results do improve during their second year in the program. A watch will be placed on this outcome for the Class of 2024.</p>
	<p>Average responses to question B.3 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2019: 98%</p> <p>2020: 95%</p> <p>2021: 97%</p> <p>2022: 99%</p> <p>2023: 91%</p>	<p>Even though there was a small decline with this outcome in 2023, it continues to trend at a consistently high level.</p>

**Goal #2:** Students will develop critical thinking and problem-solving skills.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<p><b>Students will be able to accurately evaluate radiographic images for diagnostic quality.</b></p>	<p>Average responses to question 3 of the Competency Evaluation Form</p>	<p>A random sampling of 30 <b>first year students</b> will score a combined average of 80% or higher during their second semester of Clinic. (3-point scale)</p>	<p><b>December of:</b></p> <p>2019: 91% 2020: 91% 2021: 88% 2022: 91% 2023: 88%</p>	<p>This outcome continues to trend at a consistently high level.</p>
	<p>Average responses to question 3 of the Competency Evaluation Form</p>	<p>A random sampling of 30 <b>second year students</b> will score a combined average of 80% or higher during their final semester of Clinic. (3-point scale)</p>	<p><b>December of:</b></p> <p>2019: 93% 2020: 93% 2021: 94% 2022: 93% 2023: 93%</p>	<p>There will be no action at this time. Even though the data is consistent year-to-year, this is a very good tool to compare results from the end of the first year to the end of the second year.</p>
<p><b>Students will employ appropriate problem-solving and critical thinking strategies when working with non-ideal patients.</b></p>	<p>Average responses to question 1.d from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2019: 94% 2020: 86% 2021: 82% 2022: 83% 2023: 75%</p>	<p>This outcome experienced a decline in 2023. Even though there is an improvement for the second year, a watch will be kept on this outcome for the Class of 2024.</p>
	<p>Average responses to question A.3 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2019: 96% 2020: 85% 2021: 92% 2022: 91% 2023: 87%</p>	<p>Even though there was a small decline with this outcome in 2023, it continues to trend at a reasonably high level.</p>
	<p>Average responses to question 1.d from the Employer Survey <b>(six months post-graduation)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2023: 87%</p>	<p>This is a new measurement tool and there will be no action at this time as this is a baseline for subsequent data.</p>

**Goal #3: Students will communicate effectively.**

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<p><b>Students will use appropriate oral communication skills in the healthcare setting.</b></p>	<p>Average responses to question C.5 from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2019: 94%</p> <p>2020: 97%</p> <p>2021: 82%</p> <p>2022: 92%</p> <p>2023: 84%</p>	<p>This outcome experienced a decline in 2023. The results do significantly improve during their second year in the program. A watch will be placed on this outcome for the Class of 2024.</p>
	<p>Average responses to question C.6 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b></p> <p>2020: 91%</p> <p>2021: 98%</p> <p>2022: 99%</p> <p>2023: 91%</p>	<p>Even though there was a small decline with this outcome in 2023, it continues to trend at a high level.</p>
<p><b>Students will demonstrate appropriate written communication skills.</b></p>	<p>RTE 1473L Radiographic Quality Assurance Lab</p>	<p>Each cohort of students will demonstrate the ability to conduct APA research by scoring a combined average of 8 points or higher on their radiographic grids experiment. (10-point scale)</p>	<p><b>Class of:</b></p> <p>2021: 98%</p> <p>2022: 98%</p> <p>2023: 98%</p>	<p>This is a relatively new measurement tool and there will be no action at this time as this is a baseline for subsequent data.</p>
	<p>RTE 2782 Radiographic Pathology PowerPoint Project to Include both Oral and Written Skills</p>	<p>Each cohort of students will score a combined average of 40 points or higher. (50-point scale)</p>	<p><b>Class of:</b></p> <p>2019: 49</p> <p>2020: 48</p> <p>2021: 48</p> <p>2022: 48</p> <p>2023: 48</p>	<p>This outcome continues to trend at a consistently high level.</p>

**Goal #4:** Students will model professional behavior.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<p><b>Students will conduct themselves in a professional manner during their clinical rotations.</b></p>	<p>Average responses to C.4 from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b>                      2019: 98%                      2020: 99%                      2021: 88%                      2022: 94%                      2023: 89%</p>	<p>This outcome experienced a small decline in 2023. The results do markedly improve during their second year in the program. A watch will be placed on this outcome for the Class of 2024.</p>
	<p>Average responses to category C.4 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b>                      2019: 99%                      2020: 97%                      2021: 100%                      2022: 98%                      2023: 94%</p>	<p>There will be no action at this time. Even though the data is relatively consistent from year-to-year, this is a very good tool to compare results from the end of the first year to the end of the second year.</p>
<p><b>Students will make sound ethical decisions.</b></p>	<p>Average responses to category C.8 from the Final Clinical Evaluation for RTE 1814L Clinic II <b>(end of first year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b>                      2019: 100%                      2020: 99%                      2021: 90%                      2022: 99%                      2023: 92%</p>	<p>This outcome continues to trend at a consistently high level.</p>
	<p>Average responses to category C.8 from the Final Clinical Evaluation for RTE 2844L Clinic V <b>(end of second year)</b></p>	<p>Average score of 80% or higher (5-point scale)</p>	<p><b>December of:</b>                      2019: 100%                      2020: 95%                      2021: 100%                      2022: 100%                      2023: 97%</p>	<p>This outcome continues to trend at a consistently high level.</p>

## Program Effectiveness for the Class of 2023:

PROGRAM OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
The program will retain students.	Program Completion Rate	The program will retain at least 75% of each cohort of students.	<p><b>Class of:</b></p> <p>2019: 19/24 = 79%</p> <p>2020: 20/25 = 80%</p> <p>2021: 17/25 = 68%</p> <p>2022: 17/24 = 71%</p> <p>2023: 16/22 = 73%</p> <p><b>5 Year Mean: 89/120 = 74%</b></p>	An action plan designed to improve retention has been fully implemented for the cohort that began the program in January of 2023. The action plan has proven to be an effective means to improve this measure as the retention for the January of 2023 cohort has jumped to 82%. This data will be reflected in the 2024 assessment results.
Program graduates will pass the ARRT on their first attempt.	ARRT Test Results	75% of each cohort will pass the ARRT on their first attempt.	<p><b>Class of:</b></p> <p>2019: 18/19 = 95%</p> <p>2020: 19/19* = 100%</p> <p>2021: 16/17 = 94%</p> <p>2022: 17/17 = 100%</p> <p>2023: 14/16 = 88%</p> <p><b>5 Year Mean: 84 /88 = 95%</b></p> <p>*One graduate from this cohort did not take their national certification exam.</p>	This outcome continues to trend at a consistently high level.
Program graduates will acquire gainful employment in the field within 12 months post-graduation.  <b>Note, this standard has changed to within one year of graduation for the class of 2014.</b>	Graduate Surveys ( <b>six months post-graduation</b> )	75% of each cohort will find employment within the field within 6 months of matriculating into the workforce.	<p><b>Class of:</b></p> <p>2019: 18/19 = 95%</p> <p>2020: 19/20 = 95%</p> <p>2021: 16/17 = 94%</p> <p>2022: 17/17 = 100%</p> <p>2023: 15/16 = 94%</p> <p><b>5 Year Mean: 85/89 = 96%</b></p>	This outcome continues to trend at a consistently high level.

PROGRAM OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
Program graduates will indicate that the program provided the means for them to acquire the clinical skills of an entry-level radiographer.	Average responses to question 2.a of the Graduate Survey ( <b>six months post-graduation</b> )	Average score of 80% or higher (5-point scale)	<b>Class of:</b> 2019: 97% 2020: 99% 2021: 98% 2022: 100% 2023: 99%	This outcome continues to trend at a consistently high level.
Graduates will indicate that the program built a foundation for life-long learning that led to a rewarding career within the profession.	Average responses to question 13 of the Graduate Survey ( <b>six months post-graduation</b> )	15% of graduates will continue their formal education.	<b>Class of:</b> 2019: 16% 2020: 5% 2021: 24% 2022: 35% 2023: 19%	This outcome experienced a decline in 2023. A watch will be kept on this outcome for the Class of 2024. The cause of this decline is likely due to 56% of the 2023 cohort transitioning into an advanced modality as documented below.
	Average responses to question 63 of the Graduate Survey ( <b>six months post-graduation</b> )	10% of graduates will enter an advanced modality within the profession.	<b>Class of:</b> 2019: 42% 2020: 20% 2021: 47% 2022: 35% 2023: 56%	This outcome continues to trend at a remarkably high level that is likely not sustainable.
Employers will be satisfied with the graduate's overall clinical proficiency.	Average responses to question 2.d of the Employer Survey ( <b>six months post-graduation</b> )	Average score of 80% or higher (5-point scale)	<b>Class of:</b> 2019: 94% 2020: 90% 2021: 94% 2022: 97% 2023: 90%	This outcome experienced a decline in 2023. A watch will be kept on this outcome for the Class of 2024.

The JRCERT defines the program completion rate as the number of students who complete the program within 150% of the stated program length. The official entry point for the program will be the final date that the student may drop and receive a 100% tuition refund. This is traditionally the start of the second week of classes.