

## Class of 2022 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
Students will employ proper radiographic positioning techniques.	Average of the responses to question B.4 from the Final Clinical Evaluation for RTE 1814L Clinic II (end of first year)	Average score of 80% or higher (5-point scale)	<b>December of:</b> 2018: 97% 2019: 94% 2020: 84% 2021: 82% 2022: 91%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to question B.4 from the Final Clinical Evaluation for RTE 2844L Clinic V (end of second year)	Average score of 80% or higher (5-point scale)	<b>December of:</b> 2018: 98% 2019: 96% 2020: 86% 2021: 94% 2022: 93%	This outcome has safely trended back towards pre-pandemic values.

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

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<b>Students will set appropriate technical factors.</b>	Average of the responses to question 3 of the Competency Evaluation Form	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)	<b>December of:</b>  2018: 93% 2019: 93% 2020: 88% 2021: 88% 2022: 93%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to question 3 of the Competency Evaluation Form	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)	<b>December of:</b>  2018: 94% 2019: 94% 2020: 91% 2021: 94% 2022: 93%	This outcome has safely trended back towards pre-pandemic values.
<b>Students will utilize proper radiation protection techniques.</b>	Average of the responses to question B.3 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>  2018: 98% 2019: 97% 2020: 97% 2021: 86% 2022: 99%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to question B.3 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>  2018: 98% 2019: 98% 2020: 95% 2021: 97% 2022: 99%	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.

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

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<b>Students will be able to accurately evaluate radiographic images for diagnostic quality.</b>	Average of the responses to question 3 of the Competency Evaluation Form	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)	<b>December of:</b>  2018: 93% 2019: 91% 2020: 91% 2021: 88% 2022: 91%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to question 3 of the Competency Evaluation Form	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)	<b>December of:</b>  2018: 94% 2019: 93% 2020: 93% 2021: 94% 2022: 93%	There will be no action at this time. Even though the data is 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.
<b>Students will employ appropriate problem-solving and critical thinking strategies when working with non-ideal patients.</b>	Average of the responses to question A.3 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>  2018: 94% 2019: 94% 2020: 86% 2021: 82% 2022: 83%	The Class of 2022 is the final cohort that was affected by the pandemic. We expect the results for this measure to be improved for the Class of 2023. A watch has been placed on this outcome to ensure that this does occur. If it does not, an action plan will be developed to improve first-year student critical thinking strategies.
	Average of the responses to question A.3 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>  2018: 98% 2019: 96% 2020: 85% 2021: 92% 2022: 91%	This outcome has safely trended back towards pre-pandemic values.

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

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<b>Students will use appropriate oral communication skills in the healthcare setting.</b>	Average of the responses to question C.5 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> 2018: 98% 2019: 94% 2020: 97% 2021: 82% 2022: 92%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to question C.6 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> 2020: 91% 2021: 98% 2022: 99%	This outcome has safely trended back towards pre-pandemic values.
<b>Students will demonstrate appropriate written communication skills.</b>	RTE 1473L Radiographic Quality Assurance Lab	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)	<b>Class of:</b> 2021: 98% 2022: 98%	This is a new measurement tool and there will be no action at this time as this is a baseline for subsequent data.
	RTE 2782 Radiographic Pathology PowerPoint Project to Include both Oral and Written Skills	Each cohort of students will score a combined average of 40 points or higher. (50-point scale)	<b>Class of:</b> 2018: 48 2019: 49 2020: 48 2021: 48 2022: 48	These results continue to be above the program's benchmark and are a good indicator of student oral and written communication skills during their second year of studies.

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

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
<b>Students will conduct themselves in a professional manner during their clinical rotations.</b>	Average of the responses to C.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> 2018: 100% 2019: 98% 2020: 99% 2021: 88% 2022: 94%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to category C.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> 2018: 99% 2019: 99% 2020: 97% 2021: 100% 2022: 98%	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.
<b>Students will make sound ethical decisions.</b>	Average of the responses to category C.8 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> 2018: 100% 2019: 100% 2020: 99% 2021: 90% 2022: 99%	This outcome has trended back towards pre-pandemic values. A watch will be kept on this outcome for the Class of 2023.
	Average of the responses to category C.8 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> 2018: 100% 2019: 100% 2020: 95% 2021: 100% 2022: 100%	This outcome has safely trended back towards pre-pandemic values.

## Program Effectiveness for the Class of 2022:

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.	<b>Class of:</b>  2018: 19/24 = 79% 2019: 19/24 = 79% 2020: 20/25 = 80% 2021: 17/25 = 68% 2022: 17/24 = 71%  <b>5 Year Mean: 92/122 = 75%</b>	An action plan designed to improve retention has been fully implemented for the cohort that will begin 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 new cohort has jumped to 85%. This data will be reflected in the 2023 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.	<b>Class of:</b>  2018: 19/19 = 100% 2019: 18/19 = 95% 2020: 19/19* = 100% 2021: 16/17 = 94% 2022: 17/17 = 100%  <b>5 Year Mean: 89/91 = 98%</b>  *One graduate from this cohort has not taken their national certification exam.	These results continue to be well above the program's benchmark and there will be no action at this time.
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	75% of each cohort will find employment within the field within 6 months of matriculating into the workforce.	<b>Class of:</b>  2018: 19/19 = 100% 2019: 18/19 = 95% 2020: 19/20 = 95% 2021: 16/17 = 94% 2022: 17/17 = 100%  <b>5 Year Mean: 89/92 = 97%</b>	These results continue to be well above the program's benchmark and there will be no action at this time.

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 of the responses to question 2.a of the Graduate Survey	Average score of 80% or higher (5-point scale)	<b>Class of:</b> 2018: 99% 2019: 97% 2020: 99% 2021: 98% 2022: 100%	These results continue to be well above the program's benchmark and there will be no action at this time.
Graduates will indicate that the program built a foundation for life-long learning that lead to a rewarding career within the profession.	Average of the responses to question 13 of the Graduate Survey	15% of graduates will continue their formal education.	<b>Class of:</b> 2018: 33% 2019: 16% 2020: 5% 2021: 24% 2022: 35%	This outcome has safely trended back towards pre-pandemic values.
	Average of the responses to question 64 of the Graduate Survey	10% of graduates will enter an advanced modality within the profession.	<b>Class of:</b> 2018: 44% 2019: 42% 2020: 20% 2021: 47% 2022: 35%	This outcome has safely trended back towards pre-pandemic values.
Employers will be satisfied with the graduate's overall clinical proficiency.	Average of the responses to question 2.d of the Employer Survey	Average score of 80% or higher (5-point scale)	<b>Class of:</b> 2018: 96% 2019: 94% 2020: 90% 2021: 94% 2022: 97%	This outcome has safely trended back towards pre-pandemic values.

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.