Class of 2019 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)	**December of:** 2015: 82% 2016: 91% 2017: 97% 2018: 97% 2019: 94%	These results continue to be above the program's benchmark and are a good indicator of student performance at the end of their first year of clinical rotations.
	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)	**December of:** 2015: 91% 2016: 99% 2017: 94% 2018: 98% 2019: 96%	These results continue to be above the program's benchmark and are a good indicator of graduate psychomotor skills as they enter the workforce.

Goal #1 Continued: Students will be clinically competent.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
Students will set appropriate technical factors.	Average of the responses to question 3 of the Competency Evaluation Form	A random sampling of 30 **first year students** will score a combined average of 80% or higher during their second semester of Clinic. (3-point scale)	**December of:** 2015: 91% 2016: 93% 2017: 91% 2018: 93% 2019: 93%	These results continue to be above the program's benchmark and are a good indicator of student knowledge of Imaging at the end of their first year of clinical rotations.
	Average of the responses to question 3 of the Competency Evaluation Form	A random sampling of 30 **second year students** will score a combined average of 80% or higher during their final semester of Clinic. (3-point scale)	**December of:** 2015: 93% 2016: 93% 2017: 93% 2018: 94% 2019: 94%	These results continue to be above the program's benchmark and are a good indicator of graduate Imaging knowledge as they enter the workforce.
Students will utilize proper radiation protection techniques.	Average of the responses to question B.3 from the Final Clinical Evaluation for RTE 1814L Clinic II **(end of first year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 86% 2016: 93% 2017: 99% 2018: 98% 2019: 97%	These results continue to be above the program's benchmark and are a good indicator of student radiation protections skills at the end of their first year of clinical rotations.
	Average of the responses to question B.3 from the Final Clinical Evaluation for RTE 2844L Clinic V **(end of second year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 89% 2016: 99% 2017: 98% 2018: 98% 2019: 98%	These results continue to be above the program's benchmark and are a good indicator of graduate knowledge of radiation protection as they enter the workforce.

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

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
Students will be able to accurately evaluate radiographic images for diagnostic quality.	Average of the responses to question 3 of the Competency Evaluation Form	A random sampling of 30 **first year students** will score a combined average of 80% or higher during their second semester of Clinic. (3-point scale)	**December of:** 2015: 90% 2016: 91% 2017: 91% 2018: 93% 2019: 91%	These results continue to be above the program's benchmark and are a good indicator of student knowledge of image quality at the end of their first year of clinical rotations.
	Average of the responses to question 3 of the Competency Evaluation Form	A random sampling of 30 **second year students** will score a combined average of 80% or higher during their final semester of Clinic. (3-point scale)	**December of:** 2015: 91% 2016: 93% 2017: 93% 2018: 94% 2019: 93%	These results continue to be above the program's benchmark and are a good indicator of graduate knowledge of image quality as they enter the workforce.
Students will employ appropriate problem-solving and critical thinking strategies when working with non-ideal patients.	Average of the responses to question A.3 from the Final Clinical Evaluation for RTE 1814L Clinic II **(end of first year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 81% 2016: 88% 2017: 89% 2018: 94% 2019: 94%	There is a positive trend in this outcome after years of promoting critical thinking. These results are a good measure of student problem-solving and critical thinking strategies at the end of their first year of clinical rotations within the program. There will be no action at this time.
	Average of the responses to question A.3 from the Final Clinical Evaluation for RTE 2844L Clinic V **(end of second year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 86% 2016: 91% 2017: 86% 2018: 98% 2019: 96%	There is a positive trend in this outcome after years of promoting critical thinking. These results are a good measure of student problem-solving and critical thinking strategies as they enter the workforce. There will be no action at this time.

Goal #3: Students will communicate effectively.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
Students will use appropriate oral communication skills in the healthcare setting.	Average of the responses to question C.5 from the Final Clinical Evaluation for RTE 1814L Clinic II **(end of first year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 89% 2016: 93% 2017: 94% 2018: 98% 2019: 94%	These results continue to be above the program's benchmark and are a good indicator of student oral communication skills at the end of their first year of clinical rotations.
	Average of the responses to question C.5 from the Final Clinical Evaluation for RTE 2844L Clinic V **(end of second year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 93% 2016: 98% 2017: 96% 2018: 99% 2019: 99%	The program will consider modifying this measurement tool for the Class of 2020 as determined by the Subcommittee on Program Assessment.
Students will demonstrate appropriate written communication skills.	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 half-value layer experiment. (10 point scale)	**Class of:** 2016: 92% 2017: 98% 2018: 98% 2019: 99%	These results continue to be above the program's benchmark and are a good indicator of student written communication skills at the end of their first year of clinical rotations.
	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)	**Class of:** 2017: 42 2018: 48 2019: 49	This is a relatively new measurement tool and as such, its use will continue for the immediate future.

Goal #4: Students will model professional behavior.

STUDENT LEARNING OUTCOME	MEASUREMENT TOOL	BENCHMARK	ACTUAL OUTCOME	ANALYSIS/ACTION PLAN
Students will conduct themselves in a professional manner during their clinical rotations.	Average of the responses to C.4 from the Final Clinical Evaluation for RTE 1814L Clinic II **(end of first year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 95% 2016: 97% 2017: 99% 2018: 100% 2019: 98%	These results continue to be above the program's benchmark and are a good indicator of student professionalism at the end of their first year of clinical rotations.
	Average of the responses to category C.4 from the Final Clinical Evaluation for RTE 2844L Clinic V **(end of second year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 99% 2016: 97% 2017: 92% 2018: 99% 2019: 99%	These results continue to be above the program's benchmark and are a good indicator of graduate professionalism as they enter the workforce.
Students will make sound ethical decisions.	Average of the responses to category C.8 from the Final Clinical Evaluation for RTE 1814L Clinic II **(end of first year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 93% 2016: 100% 2017: 100% 2018: 100% 2019: 100%	These results continue to be above the program's benchmark and are a good indicator of student ethics at the end of their first year of clinical rotations.
	Average of the responses to category C.8 from the Final Clinical Evaluation for RTE 2844L Clinic V **(end of second year)**	Average score of 80% or higher (5-point scale)	**December of:** 2015: 94% 2016: 99% 2017: 93% 2018: 100% 2019: 100%	These results continue to be above the program's benchmark and are a good indicator of graduate ethics as they enter the workforce.

Program Effectiveness for the Class of 2019:

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.	**Class of:** 2015: 13/20 = 65% 2016: 17/21 = 81% 2017: 17/22 = 77% 2018: 19/24 = 79% 2019: 19/24 = 79% **5 Year Mean: 85/111 = 77%**	The outcome for the Class of 2019 is above the benchmark. However, two action plans were developed as a means to offset the negative impact of the COVID-19 pandemic on retention for the cohort that began the program in January of 2020 (Class of 2021). These plans will be closely monitored for their efficacy.
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.	**Class of:** 2015: 13/13 = 100% 2016: 17/17 = 100% 2017: 16/17 = 94% 2018: 19/19 = 100% 2019: 18/19 = 95% **5 Year Mean: 83/85 = 98%**	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. **Note, this standard has changed to within one year of graduation for the class of 2014.**	Graduate Surveys	75% of each cohort will find employment within the field within 6 months of matriculating into the workforce.	**Class of:** 2015: 13/13 = 100% 2016: 17/17 = 100% 2017: 17/17 = 100% 2018: 19/19 = 100% 2019: 18/19 = 95% **5 Year Mean: 84/85 = 99%**	Graduates continue to take advantage of job opportunities within the program's service area. As a result, this outcome continues to exceed the benchmark.

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)	**Class of:** 2015: 100% 2016: 100% 2017: 99% 2018: 99% 2019: 97%	This measurement tool is one of the best indicators of program success and based on these results, 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.	**Class of:** 2015: 15% 2016: 6% 2017: 33% 2018: 33% 2019: 16%	There was a dip in this outcome for the Class of 2019. As a result, a watch will be placed on this outcome for the Class of 2020. No action plan will be developed at this time as combating the impact of the COVID-19 pandemic on the program takes precedence.
	Average of the responses to question 64 of the Graduate Survey	10% of graduates will enter an advanced modality within the profession.	**Class of:** 2015: 31% 2016: 29% 2017: 39% 2018: 44% 2019: 42%	These results continue to be well above the program's benchmark and there will be no action at this time.
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)	**Class of:** 2015: 90% 2016: 96% 2017: 91% 2018: 96% 2019: 94%	These results continue to be well above the program's benchmark and there will be no action at this time.

*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 final date that the student may drop and receive a 100% tuition refund. This is traditionally the start of the second week of classes.