

County College of Morris
RADIOGRAPHY PROGRAM
Program Effectiveness
CLASS OF 2020

Outcome	Measurement Tools	Benchmark	Time Frame	Person Responsible	Results
1. Graduates will pass the national certification exam on the first attempt.	ARRT Exam Results	85% or \geq of graduating students will pass the ARRT exam on the 1 st attempt within six months from graduation	Annually	Program Director	2020 - 92% 2019 - 93% 2018 - 82% 2017 - 100% 2016 - 91% 5yrs. Average 92%
2. Graduates who seek employment are employed in the field within twelve months after graduation	Graduate Survey Question 2 page 2	\geq 80% of graduates will be hired within twelve months from graduation	Annually	Program Director	2020 - 90% 2019 - 93% 2018 - 89% 2017 - 92% 2016 - 90% 5 yr. average - 90.8%
3. Students accepted into the program will complete the program and earn the Associated of Applied Science Degree	Retention Rate	60% of the students accepted into the program will complete the program	Annually	Program Director	2020 - 87% 2019 - 94% 2018 - 83% 2017 - 75% 2016 - 73%
4. Graduates will report satisfaction with their educational experience in Radiography.	Graduate Survey Question 11, page 1	Average score of \geq 3.5 on 5-point scale	Annually	Program Director	2020 - 4.8 (4) 2019 - 4.70 (6) 2018 - 4.70 (10) 2017 - 4.60 (5) 2016 - 5.00 (6)

5. Employers will identify graduates as satisfactory with respect to entry level skills.	Employer Survey Question 11, page 1	Average score of ≥ 3.5 on 5-point scale	Annually	Program Director	2020 – 4.07(13) 2019 – 4.25 (4) 2018 – 4.80 (4) 2017 – 5.00 (3) 2016 – 4.10 (10)
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Action/Analysis of Program Effectiveness:

1. Graduates will pass the American Registry of Radiologic Technologist National Certification Exam on the first attempt: Measurement tool: ARRT exam results

YEAR	NO. OF EXAMINEES	% THAT PASSED 1 st Attempt	SCALED SCORE
2016	22	91 (20 of 20) passed	87.0
2017	28	100 (28 of 28) passed	85.0
2018	28	82 (23 of 28) passed	82.3
2019	29	93 (27 of 29) passed	87.0
2020	39	92 (36 of 39) passed	84.0
TOTALS	146	134 % PASSING 91.7 = 92%	

The program has established a benchmark of 85% of the graduates is expected to pass the ARRT examination on the first attempt within six months from graduation. The program has consistently exceeded this benchmark. The five-year average for the program on the ARRT exam is 92% (91.6).

The program has a weekly review course in RAD 230 Advanced Clinical Practice to prepare the students for the ARRT Exam. The students are strongly encouraged to attend the Kettering Seminar that the Radiography Program sponsors each year. The class of 2020 had a 92% pass rate on the ARRT exam. This was slightly below the pass rate for the Class of 2019, which was 93%. The Class of 2020 had three failures on the ARRT exam. The program faculty reached out to the three graduates to offer tutoring sessions in helping them to be successful with the ARRT exam. Two of the graduates received tutoring from the program faculty and were successful when taking the ARRT exam for a second time.

The thirty-nine graduates scored in second sections of the exam with either at or higher than both the ARRT's and NJ's values. There was only one section that the graduates scored lower than both the ARRT's and NJ's values. In this section the NJ and ARRT value was 8,3 and the graduates had a value of 8.2. The only time that the program did not meet its benchmark was for the Class of 2018 which had a 82% pass rate.

2. Employment Rate: The program benchmark for this outcome is to have 80% of the graduates seeking employment at graduation, to be employed within twelve months of graduation. Measurement tool: Graduate Survey

YEAR	No. of Graduates verses Seeking Employment	No. Employed within six Months	No. of Graduate Surveys Returned
2016	22 (22)	90% (20/22)	05
2017	27 (27)	92% (25/27)	05
2018	24 (27)	89 % (24/27)	10
2019	27 (29)	93% (27/29)	06
2020	36 (39)	90% (35/39)	04

Class of 2020: Most of the graduates found jobs within the twelve-month benchmark because the economy has improved. Several of the graduates were able to obtain full time positions and not just per diem or part time positions. The return rate of the graduate survey continues to be extremely small. Of the 39 graduates, only graduate 4 surveys were returned. In the past several years the number of returns has gone down.

Since most of our graduates have gained employment at our seven clinical affiliates and Hospital for Special Surgery, we are able to have an accurate employment rate. The five-year average of graduates that will be hired within 12 months after graduation is 90%. The number of full-time revised positions open at our seven clinical affiliates continues to grow each year and are always offered to our graduates.

3. Students accepted into the program will complete the program and earn the Associate of Applied Science Degree. Measurement Tool: Program retention rate.

YEAR	No. Accepted	No. Graduated	Percent who Completed
2016	30	22	73%
2017	36	27	75%
2018	35	29	83%
2019	31	29	94%
2020	45	39	87%

For the Class of 2020 the program graduated 87% of the students that were admitted in 2018 and graduated in 2020. This retention rate continues to improve since the Class of 2014 even though this year it was below the Class of 2019 which had a 94% retention rate. However for the Class of 2020 forty five students were accepted and graduated 39 in comparison with the Class of 2019 which accepted only 31 candidates' in 2017 and graduated 29.

The program received over 175 applications for the class entering in the Fall 2018, 2017 and 2016. Therefore, the program accepted 45 students for the Fall of 2018 (Class of 2020) since the program had a large pool of qualified candidates. The Class of 2020 had more accepted students in the Fall of 2018 compared to the Class of 2019 which would decrease the retention rate.

4. Graduate and Employer satisfaction with respect to the educational experience and entry level skills. Measurement Tools: Graduate and Employer Surveys

The program continues to get a low return response of graduate surveys. In the past five years except for the Class of 2018 in which the program received 10 surveys, the program received less than 10 surveys returned from graduates. Due to the low number of graduate surveys returned to the program a analysis cannot be completed of the information received.

In December of 2021 the program will be sending the graduate surveys to the Class of 2021 by mail. Beside the survey in the envelope the program will enclose a self-address return stamped envelope with the hope that the program will receive a larger number of completed surveys.

At this time, thirteen employers' surveys have been returned. The employer surveys are that are usually given to the Advisory Board members were unable to be given due to the COVID virus and not have a meeting. The surveys were hand delivered to the clinical affiliates and were received back from Morristown Medical Center and Newton Medical Center only.

