

**County College of Morris**  
**RADIOGRAPHY PROGRAM**  
**Program Effectiveness**  
**CLASS OF 2022**

| <b>Outcome</b>  | <b>Measurement Tools</b>          | <b>Benchmark</b>  | <b>Time Frame</b> | <b>Person Responsible</b> | <b>Results</b>  |
|---|-----------------------------------|---|-------------------|---------------------------|---|
| 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 <sup>st</sup> attempt within six months from graduation | Annually          | Program Director          | 2022 - 91%<br>2021 - 85%<br>2020 - 92%<br>2019 - 93%<br>2018 - 82%<br><br>5yrs. Average 90.4    |
| 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          | 2022 - 9@%<br>2021- 90%<br>2020 - 90%<br>2019 - 93%<br>2018 - 89%<br><br>5 yr. average - 90.4 % |
| 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          | 2022 - 90%<br>2021 - 91%<br>2020 - 87%<br>2019 - 94%<br>2018 - 83%                              |

|  |                                     |  |          |                  |   |
|--|-------------------------------------|--|----------|------------------|---|
| 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 | 2022 – 4.4 (10)<br>2021 - 4.30 (13)<br>2020 - 4.8 (4)<br>2019 – 4.70 (6)<br>2018 – 4.70 (10)              |
| 5. Employers will identify graduates as satisfactory with respect to entry level skills. | Employer Survey Question 11, page 1 | Average score of $\geq 3.5$ on 5-point scale | Annually | Program Director | 2022 - (5)<br>2021 - 4.6 (12)<br>2020 – 4.07(13)<br>2019 – 4.25 (4)<br>2018 – 4.80 (4)<br>2017 – 5.00 (3) |

**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 <sup>st</sup> Attempt | SCALED SCORE |
|--------|------------------|---------------------------------------|--------------|
| 2018   | 28               | 82 (25 of 28 passed)                  | 82.3         |
| 2019   | 29               | 93 (27 of 29 passed)                  | 87.0         |
| 2020   | 39               | 92 (36 of 39 passed)                  | 84.0         |
| 2021   | 41               | 85 (35 of 41 passed)                  | 84.6         |
| 2022   | 34               | 91(31 of 3 passed)                    | 84.0         |
| TOTALS | 171              | 154% PASSING 90.0 = 90%               |              |

The program has established a benchmark for 86% of the graduates who is expected to pass the ARRT exam on the first attempt within six months from graduation. The program has exceeded this benchmark in the past however, from the Class of 2018 the percentage that passed on the 1<sup>st</sup> attempt was 82% and for the Class of 2021 the percentage of graduates who passed on the 1<sup>st</sup> attempt was 85%, which was just at the program benchmark.

In 230 Advanced Clinical Practice the program has a weekly review course to prepare the students for the ARRT exam. The program sponsors the Kettering Seminar each summer and the senior students are strongly encouraged to attend. The Class of 2021 had a 85% pass rate on the ARRT, and the Class of 2022 had a 91% pass rate. The Class of 2021 had 41 graduates and the Class of 2022 had 35 graduates which is much less than the 41 graduates that were in the Class of 2021.

There were three graduates who failed the 2022 ARRT exam. The program contacted the three graduates and offered tutoring sessions in preparing them to be successful on their second attempt at the ARRT exam. Two of the graduates received tutoring from the program faculty and were successful on passing the ARRT exam...

**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**

| <b>YEAR</b> | <b>No. of Graduates verses Seeking Employment</b> | <b>No. Employed within six Months</b> | <b>No. of Graduate Surveys Returned</b> |
|-------------|---|---------------------------------------|---|
| 2018        | 24 (27)   | 89% (25/27)                           | <b>10</b>                               |
| 2019        | <b>27 (29)</b>                                    | 93% (24/27)                           | <b>05</b>                               |
| 2020        | 36 (39)   | <b>90% (35/39)</b>                    | <b>04</b>                               |
| 2021        | 37 (41)   | <b>90% (37/41)</b>                    | <b>13</b>                               |
| <b>2022</b> | <b>31 (34)</b>                                    | <b>92% (31/34)</b>                    | <b>10</b>                               |

Class of 2022: Most of the graduates found jobs within the twelve-month benchmark because of the improving economy and the shortage of technologist has increased. More than half of the graduates were able to obtain full-time positions. The return rate of the graduate survey continues to be extremely small but getting better. Of the 41 graduates, 13 surveys were returned. However, 13 surveys were the best number returned over the past five years. For the Class of 2022, only 10 surveys were returned at this time.

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 91%. The number of full-time positions open at our seven clinical affiliates continues to grow each year and is 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 |
|------|--------------|---------------|-----------------------|
| 2018 | 35           | 29            | 83%                   |
| 2019 | 31           | 29            | 94%                   |
| 2020 | 45           | 39            | 87%                   |
| 2021 | 46           | 41            | 91%                   |
| 2022 | 38           | 34            | 90%                   |

The Class of 2022 accepted 38 students and graduated 34 in comparison with the Class of 2021 which accepted 46 and graduated 42. The program received over 160 applications for the Class of 2022, which was slightly less than the Class of 2021. The program continued to accept more students for the Class of 2022 because of the large pool of applications. The number of students accepted for the Class of 2022 was 38 students in comparison to the Class of 2021. The program will continue to select students for each class based on the program admission criteria and has no plans to lower the admission standards.

**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. However, for the Class of 2022 the program received 10 completed 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 returned from graduates. Due to the low number of graduate surveys returned to the program an analysis cannot be completed on the information received.

In December 2022 the program sent the graduates surveys to the Class of 2022 by mail. Beside the survey in the envelope the program enclosed a self-address return stamped envelope with the hope that the program will receive a larger number of completed surveys. The ten surveys returned is slightly less than last year but not nearly the number the program was hoping to get.

The program received 5 complete employers' surveys. The employer surveys were given to the Advisory Board members at the Advisory Bord meeting. The program director will visit the clinical sites during the summer of 2023 with the hope of obtaining additional surveys. No additional employer surveys were obtained during the summer of 2023.