

**Northeast Mississippi Community College Radiologic Technology Program Assessment Plan  
July 1, 2019-June 30, 2020**

**Mission Statement:** The mission of the NEMCC Radiologic Technology Program is to instill the value of lifelong learning and professionalism in students, graduates, faculty and to provide the students with an education in radiologic technology that prepares them for the ARRT certification examination and employment as an entry-level Registered Radiologic Technologist.

**\*Note:** The clinical evaluation utilizes a 5 point scale and the employer survey uses a very good, good, average, poor and very poor scale.

**Goal 1:** Students will develop competency as an entry-level radiographer.

Outcome	Assessment Tool	Benchmark	Assessment Schedule	Person Resp.	Results	Actions
1.1 Students will be able to perform routine exams	1. Random lab practical 2.Total body exam at the end of the 5 <sup>th</sup> semester	1. Students will achieve an 85% or above on each random lab practical 2. Of the 40 projections the students will achieve an 85% or above on the total body exam at the end of the 5 <sup>th</sup> semester	1. End of fall semester in RGT 1513 Radiographic Procedures I and RGT 2533 Radiographic Procedures III 2. Spring (End of 5 <sup>th</sup> semester)	1. Clinical Coordinator 2. Clinical Staff and Program Faculty	1a. 4 random lab practicals were given in RGT 1513. The following are the results of the students that achieved a 85% or above: Lab practical 1 12/12 (100%), Lab practical 2: 12/12(100%) Lab Practical 3: 11/11 (100%), Lab Practical 4: 11/11 (100%)  1b. Random lab practical were given in RGT 2533. The following are the results of the students that	1a/b. The clinical coordinator would like to continue monitoring the random lab practical. It was noted that this year's first year students met the benchmark. Students were encouraged to practice in the lab daily. The coordinator believes this encouragement for daily practice has helped to improve scores.  2. The program faculty will continue to monitor the results of the TBE. TBE will hopefully be reimplemented in the Spring 2021 semester

					achieved a 85% or better: Lab practical 1 7/7 (100%) Lab practical 2	
					7/7 (100%)  2. Students did not participate in TBE for the Spring 2020 Semester, due to COVID-19 shut down.	
1.2 Students demonstrate procedures in patient care	<p>1. Lab practical for check-off a. vital signs (blood pressure, pulse, respiration, temperature)</p> <p>b. transfer of patients.</p> <p>2. Final examination in RGT 1223</p> <p>3. Question 5 from the clinical evaluation</p>	<p>1. Students will demonstrate each of the following patient care skills for the instructor and achieve 90% or greater on the following lab practicals: a. vital signs (blood pressure, pulse, respiration, temperature)</p> <p>b. transfer of patients</p> <p>2. The students will achieve 75% or greater on the patient care final examination</p> <p>3. a. The students will receive "4" or above on question 5 at the end of the 2<sup>nd</sup> semester, b. The students will receive a "5" on</p>	<p>1. Throughout 1<sup>st</sup> semester 2. end of 1<sup>st</sup> semester 3. . At the conclusion of the 2<sup>nd</sup> semester. At the conclusion of the 5<sup>th</sup> semester</p>	<p>1. Clinical Coordinator 2. Program Faculty 3. Program Faculty</p>	<p>1. 100% (11/11) of the students achieved a 85% or better on the following lab practicals: a. vital signs (blood pressure, pulse, respiration, temperature) b. transfer of patients</p> <p>2. 42% (5/11 students achieved a 75% or greater on the patient care final examination)</p> <p>3.a. 100% (10/10) received "4" or above on question 5 at the end of the second semester b. 100 % ( 7/7) received "5" on question 5 at the end of the 5<sup>th</sup> semester</p>	<p>1. The program faculty will continue to monitor results of the lab practical for vital signs.</p> <p>2. The program faculty was not pleased with the final grade and will continue to monitor the Final Examination results in RGT 1223. The faculty noticed the decrease in the final exam grade and will begin to implement more labs to verify patient care skills and correlating objectives for the course. Faculty will utilize lab time to implement more patient care labs that correspond to the course material. Hopefully with these changes, next semester will see an increase in final exam scores for Patient Care.</p> <p>3. The program faculty are using this tool to monitor patient care with the students. The faculty will continue to use this tool.</p>

		question 5 at the end of the 5 <sup>th</sup> semester				
1.3 Students will demonstrate radiation protection	<p>1. Clinical Evaluation</p> <p>a. Question 4</p> <p>b. Question 4</p> <p>2. Random lab practical</p> <p>3. Total body Exam</p>	<p>1. The students will receive "3" or above on question 4 at the end of the 2<sup>nd</sup> semester</p> <p>The students will receive a "5" on question 4 at the end of the 5<sup>th</sup> semester</p> <p>2. 90% of the students will receive points on the item related to shielding (at the end of 1<sup>st</sup> semester)</p> <p>3. 100% of the students will receive points on the item related to shielding on the TBE (end of 5<sup>th</sup> semester)</p>	<p>1. At the conclusion of the 2<sup>nd</sup> semester</p> <p>2. At the conclusion of the 1st semester</p> <p>3. At the conclusion of the 5<sup>th</sup> semester</p>	<p>1. Clinical staff</p> <p>2. Program faculty</p> <p>3. Program faculty</p>	<p>1a. 100% (11/11) of students received a "3" or above on question 4 at the end of the 2<sup>nd</sup> semester</p> <p>b. 100% (7/7) students received a 5 on question 4</p> <p>2. 11/11 (100%) received points for shielding on the last random lab practical</p> <p>3. TBE not utilized for Spring 2020 semester due to COVID-19.</p>	<p>1a. The program officials are pleased with the progress of students with radiation protection skills. They take radiation protection very seriously. The program officials will continue to monitor the results of the radiation protection portion of the clinical evaluation. They do not feel like this item can be removed. Patient protection is a very important part of the program.</p> <p>b. The faculty will continue to monitor and want to keep the standards very high for the graduating class.</p> <p>2. The faculty noted that the students did an excellent job on shielding in the 2 random lab practical. The faculty stressed proper collimation from the beginning and all students did a great job with collimation as well.</p> <p>3. Faculty wish to continue using the TBE as an indicator for radiation protection. TBE will hopefully be reimplemented in the Spring 2021 semester.</p>

**Goal 2: Students will be able to communicate effectively**

Outcome	Assessment Tool	Benchmark	Assessment Schedule	Person Resp.	Results	Actions
2.1 Students will effectively communicate with patients.	1. Clinical Evaluation, Question 10 2. Employer Survey, question # 4 3. Random Lab Practical – item that deals with communication/ est. rapport	1. The students will receive “3” or above on question 10 of clinical evaluation at the end of the 2 <sup>nd</sup> semester and a “5” at the end of the 5 <sup>th</sup> semester 2. The graduates will receive “Good” or above on question #4 3. 90% of students will receive points on the item that deals with communication rapport on the Radom Lab Practical at the end of the 1 <sup>st</sup> and 4 <sup>th</sup> semesters	1. at the conclusion of the 2 <sup>nd</sup> and 5 <sup>th</sup> semesters 2. Annually in the fall 3. Conclusion of the 1 <sup>st</sup> and 4 <sup>th</sup> semesters	1. clinical staff 2. Office of Planning and Research and Program Director 3. Program faculty	1. 100% (11/11) of students received 3 or higher on question 10 at the end of the 2 <sup>nd</sup> semester and 100% (7/7) of students received a 5 on question 10 at the end of the 5 <sup>th</sup> semester 2. 100% of respondents marked “Good” or above on question #4 3. There were 4 RLP administered during 1 <sup>st</sup> sem.- 11/11 rec. points at the end of the sem. 100% of students (7/7) achieved points at the end of the 4 <sup>th</sup> sem.	1. The program faculty will continue to monitor the results of the clinical evaluation. They are pleased that students are doing well with communication with the patients. 2. The program faculty will discuss results with the advisory committee and continue to monitor the employer evaluation. The program faculty are also looking at more ways to get more of the employer surveys to be returned. 3. Program faculty will continue to look at this item on the RLP.
2.2 Student will demonstrate effective written communication	1. Employer Survey, question #5	1. The students will receive “Good” or above on question 5 of the employer survey	1. Annually in the fall	1. Office of Planning and Research and Program Director	1. 100% of respondents marked “Good” or above on question #5	1. The faculty will continue to monitor the results of the employer evaluation. The faculty are going to continue to encourage the employers to return the surveys. 2. The faculty noted the change of the new JRCERT standards to be taken and implemented in the 2021 plans for communication and to have 2 assessment tools for outcome 2.2. This will be

						reflected in the 2020-2021 assessment cycle.
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**Goal 3: Students will think critically and analytically.**

Outcome	Assessment Tool	Benchmark	Assessment Schedule	Person Resp.	Results	Actions
3.1 Students will be adapt procedure protocol for non- routine procedures	1. Clinical Evaluation, Question 2 2. Random Lab Practical	1. The students will receive a “3” or above on question 5 of the clinical evaluation at the end of the 2 <sup>nd</sup> semester and a “5” at the end of the 5 <sup>th</sup> semester 2. Students will receive a 85% or better on the random lab practical at the end of the 2 <sup>nd</sup> . Students will receive a 90% or better on the lab practical at the end of 4 <sup>th</sup> semester.	1. at the conclusion of the 2 <sup>nd</sup> and 5 <sup>th</sup> semesters 2. at the conclusion of the 2 <sup>nd</sup> semester and 4 <sup>th</sup> semester	1. Clinical Staff 2. Clinical Staff and program faculty	1. 100% (11/11) received a “3” or above on question 5 at the end of the 2 <sup>nd</sup> semester 100% (7/7) received a “5” or above at the end of the 5 <sup>th</sup> 2. 100% (10/10) of students received an 85% or better in the 2 <sup>nd</sup> and 100% received a 90 or better in the 4 <sup>th</sup> 100% (7/7)	1. The faculty will continue to meet with students that received below a 5 on personal weaknesses in the clinical settings when dealing with trauma situations. 2. Faculty will continue to monitor this tool.
3.2 Students will correct non- quality images	1. Clinical Evaluation, Question 6 2. Lab report	1. 95% of students will receive “3” or above on question 6 of clinical evaluation at the end of the 2 <sup>nd</sup> semester and a “5” at the end of the 5 <sup>th</sup> semester 2. 100% of students will achieve a 85 or above on each lab	1. 2 <sup>nd</sup> and 5 <sup>th</sup> semesters 2. 2 <sup>nd</sup> and 4 <sup>th</sup> semesters	1. Clinical Staff 2. Program faculty	1. 100% (10/10) of students received a “3” or higher at the end of the 2 <sup>nd</sup> semester. At the end of the 5 <sup>th</sup> , 100% (7/7) received a “5” or above 2. 100% (10/10) of 2 <sup>nd</sup> semester students achieved a 85% or above on the lab report 100% (7/7) of the 4 <sup>th</sup> semester	1. The faculty note that the benchmark was met for the 2 <sup>nd</sup> and 5 <sup>th</sup> semester students. Faculty will continue to monitor. 2. The faulty notes that the benchmark was met for the 2 <sup>nd</sup> and 4 <sup>th</sup> semester.

		report during the 2 <sup>nd</sup> and 4 <sup>th</sup> semester			students achieved a 85 or above on the lab report.	
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**Goal 4: The student demonstrates the values and ethics of a radiographer and an understanding of professional development and lifelong learning.**

Outcome	Assessment Tool	Benchmark	Assessment Schedule	Person Resp.	Results	Actions
4.1 Students will demonstrate professional behavior.	1. Clinical Evaluation, Questions 7 and 8  2. Employer Survey, question #2	1. The students will receive a "3" or above on questions 7 and 8 of clinical evaluation at the end of the 2 <sup>nd</sup> semester and a "5" on these questions at the end of the 5 <sup>th</sup> semester 2. Average of returned surveys for question #2 will be "Good" or above	1. End of 2 <sup>nd</sup> and 5 <sup>th</sup> semesters  2. Annually in the fall	1. Clinical Staff  2. Office of Planning and Research	1. 100% (10/10) received a "3" or better on question 7 and 8 at the end of the 2 <sup>nd</sup> semester 100% (7/7) received a "5" on question 7 and 8 at the end of the 5 <sup>th</sup> semester.  2. 100% of the respondents marked "Good" or above on question #2	1. The program faculty will continue to monitor professional behavior with the students. They are always asking for feedback from the advisory committee as well as the radiologic technologist on how to improve professionalism. The program faculty still realizes that setting a 5 as a benchmark is a very high goal. But they do believe it is necessary for students at the end of the school year. The faculty is going to continue to monitor.  2. The faculty will continue to monitor the results of the employer evaluation. The faculty are going to continue to encourage the employers to return the surveys.

<p>4.2 Students will demonstrate knowledge and understanding of the key professional organizations (ARRT, JRCERT, ASRT)</p>	<p>Electronic presentation in RGT 1213 (Fundamentals of Radiography)</p>	<p>95% of the students will receive a "90" or above on the presentation</p>	<p>Fall Semester</p>	<p>Program Faculty</p>	<p>100% (12/12) of the students received a 90 or above on the presentation</p>	<p>Faculty will continue to require presentations for the professional organizations. The course is now only offered to accepted programmatic students and the will be evaluated in the Fall Semester of the students 1<sup>st</sup> year in the program. It is noted that the benchmark was met and this tool will continue to be implemented as a good tool to measure the student's knowledge on professional organizations.</p>
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**Goal 5: Students will be prepared for immediate employment as a radiologic technologist or continuing studies in the field of diagnostic imaging.**

Outcome	Assessment Tool	Benchmark	Assessment Schedule	Person Resp.	Results	Actions
5.1 Students will find employment in an imaging modality.	MS Dept. of Education Office of Vocational Technical Education Follow-Up Report	a. 80% of the graduates seeking employment will find employment within 6 months of graduation  b. 5 year Average	Annually	Office of Vocational Technical Ed.	a. 85.7% (6/7) of the graduates who sought employment found employment within 6 months of graduation in their field or a related field. Graduate #7 is in sonography school.  2019 (9/9) 100% 2018: (9/10) 90% 2017: (9/10) 90% 2016: (11/11) 100% 2015: (11/11) 100%3 students did not seek 1 student in sonography school 2014: (5/6) 83% 3 students did not seek 2013: 100% (7/7) employment b. 5 year average: 93.14%	The instructors post job openings for the students and send an e-mails from employers to students. Students are encouraged to participate in local job fairs. The instructors also maintain a private alumni Facebook page to post job openings for past graduates.  The instructor post job openings for the students and send an emails from employers to students. Students are encouraged to participate in local job fairs. The instructors also maintain a private alumni Facebook page to post job openings for past graduates.  The instructor post job openings from the students and send an emails from employers to students. Students are encouraged to participate in local job fairs. The instructors also maintain a private alumni Facebook page to post job openings for past graduates.
5.2 Students will pass a National Certification Examination.	ARRT exam results	1. 80% of the graduates which sit for the certification examination will pass the exam on the first attempt	Annually	Program Director	1. 6/7 85%of graduates who sat for the National Certification Exam passed on the first attempt  2019 89% (8/9) 2018: 80% (8/10) 2017 80% (8/10) 2016: 91% (10/11) 2015: 67% (8/12)	The instructors were not pleased with the pass rate this year. The instructors will continue to require the portfolio based on the registry outline for the ARRT. Students will also still be required to sit through the Kettering seminar in May each year. The instructors are still using RadReview Easy as well as implementing new software such as Rad Tech Bootcamp. Rad Tech Bootcamp uses resources within the site and the mock ARRT

		2. 5 year Average			2014: 89% (8/9) 2013: 90% (9/10) 2. 5 year average %: 85%	registry provided to correlate actual passing test scores (1 <sup>st</sup> attempt) to those that are given in the mock exam. This will be beneficial to give faculty a better look at how well resources involved are prepping students for the registry.
5.3 Employers of RT graduates will be satisfied with job performance	Employer Evaluation Question 11	a.80% of the graduates will achieve an average rating of good (4) on the scale in response to question #11  b.5 year Average	Annually- 6 months following graduation	Program Director	a. a.100% of graduates achieved an average rating of good in response to the question "How	The program faculty continue to be disappointed with the response to the employer survey. They will make phone calls next year to encourage employers to fill out the survey. Only 4 surveys were returned this year.
					would you rate overall job preparation?"  2020: 100% 2019: 100% 2018: 100% 2017: 100% 2015: 100% 2014: 100% 2013: 100% 2012: 100% 2011: 100% 5 year avg: 100%	
5.4 Students who start the program will finish the program	Official course registration data	75% of students who start the program will finish the program	Annually	Program Director	2020 (7/12) 87.5% 2019 (9/12) 75% 2018 (10/12) 83% 2017: (10/12) 83% 2016: 92% (11/12) 2015: 100% (12/12) 2014: 75% (9/12) 2013: 83% (10/12) 5 year avg: 84%	The program faculty will continue to monitor the attrition rate and look at reasons for attrition. Most of the attrition is based on economic situations with the students. Attrition rate for 2020 was lower and reasons as to why are provided as an attachment to this assessment plan.
	Graduation Exit Survey- Section 2, Question #2	85% of respondents to the graduation exit survey will say the	Summer	Program Faculty	2020: (7/7) 100% 2019: (9/9) 100% 2018: (10/10) 100%	The program faculty will continue to monitor the graduate exit survey results.

<p>5.5 Graduates will feel that they were adequately prepared.</p>		<p>program adequately prepared them for a career as an entry-level radiologic technologist by responding with a 3 or higher.</p>			<p>2017: (10/10) 100%  2015: 100% (12/12)  2014: 100% (9/9)  2013: 100% (10/10) 2012:  100% (11/11)  5 year avg: 100%</p>	
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Program Effectiveness: Annual Program Completion 2020 Explanation

Due to below than average completion of the Radiology Technology Program in 2020, the following has been created to give verification and understanding to our program (0436) meeting the PCR for 2020.

Student	Completion Yes/No	Description
A.	Yes	-
B.	No	-Health Issues prevented
C.	Yes	-
D.	No	-changed majors
E.	Yes	-
F.	No	-Family issues prevented
G.	Yes	-
H.	No	-Personal Issues prevented
I.	No	-Academics
J.	Yes	-
K.	Yes	-
L.	Yes	-

All information is hereby deemed accurate for the graduate class of 2020.

Out of the 12 accepted students that started the program, only 7 graduated in May 2020. Our PCR stands at 87.5% for the graduating class of 2020.