

Associate of Science in Radiologic Technology

Assessment Plan: Academic Year (AY) 19/20

blue=	AY 2019-20 data
purple=	AY 2018-19 data
red=	AY 2017-18 data
green =	AY 2016-17 data

Mission Statement

To educate and prepare students for entry-level Radiologic Technology positions as compassionate, competent health care professionals.

Program Goals

To develop graduates who:

1. Demonstrate clinical competence in performing diagnostic radiographic procedures in a compassionate, professional manner.
2. Demonstrate problem-solving and critical thinking skills in radiography.
3. Employ effective oral and written communication skills.
4. Understand the importance of continuous learning, professional development and Christian values.
5. Meet the needs of the healthcare community as employable radiographers.

Program Learning Outcomes

Students will be able to:

1. Produce diagnostic quality radiographs
2. Evaluate radiographic images for appropriate quality
3. Apply proper radiation protection to patients, self and others
4. Provide appropriate patient care in changing situations
5. Perform effectively in a variety of imaging areas
6. Demonstrate effective communication skills
7. Practice professional and ethical behaviors
8. Integrate Mercy Core Values into clinical practice
9. Perform at entry-level expectations

Note: Objectives 1-8 relate to goal 1; objectives 2 & 4 relate to goal 2; objectives 6 relates to goal 3; objective 7 & 8 relate to goal 4; and objectives 9 relates to goal 5.

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Learning Outcome (Program)	Measure (specify direct or indirect)	Benchmark	Schedule and Person Responsible	Resources Needed	Results	Analysis & Plan for Improvement	Communication Plan
1. Produce diagnostic quality radiographs	a) One Day Student Performance Evaluations Direct RAD 131 & 251	Each student will achieve an average score of 3 of 5 in RAD 131 and 4 of 5 in RAD 251 (or higher) in IV. Technical Skills section item number 2 & 3.	Semesters 3 & 5 Course Faculty	Avg. of 4 random One Day Student Performance Evaluations from each students' Clinical Instructors/ Clinical education site.	RAD 131: n: 28/28 (100%) achieved a 3 or higher. RAD 251: n: 15/15 (100%) achieved a 5 or higher. RAD 131: n:23/23 (100%) achieved a 3 or higher. RAD 251: n:27/27 (100%) achieved a 4 or higher. RAD 131: n:8/28 (100%) achieved a 3 or higher Ave. 4.75/5 =95% RAD 251: n:28/28 (100%) achieved a 4 or higher in technical skills. Ave.4.91 = 98.2% RAD 131: n:28/28 (100%) scored 3 or higher. Ave. 4.78/5 = 95.6% RAD 261: n: 14/14 (100%) achieved a 4 or higher in technical skills. Ave.4.95	RAD 131 Benchmark met. 28/28 students achieved a scored 3 or higher on the One Day evaluation under the IV. Technical Skills section item number 2 & 3. Due to the COVID, RAD 131 was moved to the Fall 2020 semester and data collection was delayed until all students completed their evaluations. The plan moving forward is to assess the students' ability to produce diagnostic quality radiographs using the new Professionalism Evaluation tool. RAD 251 Benchmark met. 15/15 scored 4 or higher in all sections on the One Day evaluation under the IV. Technical Skills section item number 2 & 3. Due to the COVID protocol restrictions, not all students were able to complete their One Day evaluations before they graduated. The plan moving forward is to assess the students' ability to produce diagnostic quality radiographs using the new Professionalism Evaluation tool.	JRCERT Annual Report Advisory Committee College Website
	b) Student Radiograph Evaluations	Each student will achieve a "B" or higher on Image Evaluation of	Semesters 2 & 5 Course Faculty	PACS access Instructor to evaluate student	RAD 121: 25/25 (100%) achieved a score of "B" RAD 251: n: 23/23 (100%) achieved a "B" or higher	RAD 121 Benchmark met. 25/25 students achieved "B" or higher on the Image Evaluation assignment of the Chest, Abdomen,	

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	Direct RAD 121 & 251	Chest, Abdomen, or Extremities in RAD 121 and an "A" on Image Evaluation of Spine, Portable CXR, or a Girdle in RAD 251.		images using BASICS image analysis rubric	RAD 121: n:23/23 (100%) achieved a "B" or higher. RAD 251: n:27/27 (100%) achieved an "A" or higher. RAD 121: n:28/28 (100%) achieved a "B" or higher. Ave.9.8/10=98% RAD 251: n:25/28 (89%) achieved an "A" or higher. Ave.9.5/10 = 95% RAD 121: n: 29; 29/29 (100%) scored "B" or higher. Avg. grade: RAD 251: n:22; 6/22 (27%) Avg. grade: 90%. New measure	or Extremities. The plan moving forward is to continue to assess the students with this assignment. This assignment fulfills a need for our students to build confidence in the assessment of their own images. RAD 251 Benchmark met. 23/23 students achieved "A" or higher on the Image Evaluation assignment of the Spine, Portable Chest, or a Girdle. The plan moving forward is to continue to assess the students with this assignment. This assignment allows our students to assess their own images as they prepare for practice as an RT. The plan moving forward is to continue assess students' ability to produce diagnostic quality radiographs and provide remediation if they do not meet the benchmark. Students in both courses are assessed by faculty in a one-on-one situation. These meetings usually took place at the clinical site or on campus in a private setting. However, because of COVID protocol restrictions, these meetings took place via Zoom.
	c) Simulation exams Indirect	Each student will achieve a "pass" by 3 rd attempt.	Semester 2 Course Faculty	X-ray equipment Lab Simulations Simulation sheets Lab instructor Lab coordinator	RAD 125: n: 28/28 (100%) achieved a "pass: by 3 rd attempt on all 125 simulation	RAD 125 Benchmark met. 28/28 students passed by their 3 rd simulation attempt. The most difficult simulation for these students is GIs, since many

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	RAD 125				<p>RAD 125: n:24/24 (100%) achieved a "pass" by 3rd attempt on all 125 simulations.</p> <p>RAD 125: 26/28 (92.9%) achieved a "pass" by 2nd attempt on all RAD 125 simulations.</p> <p>RAD 125: n: 29. 29/29 (100%) achieved a "pass" by 2nd attempt on all RAD 125 simulations.</p>	<p>clinical sites rarely see these types of exams, and even fewer do post fluoro images.</p> <p>The plan moving forward is to continue assess students for areas for improvement and provide remediation if they do not meet the benchmark.</p> <p>Students were unable to complete the RAD 125 simulations until Fall semester 2020 due to the COVID shut down.</p>
	<p>d) Lab Assignment #8</p> <p>Indirect</p> <p>RAD 138</p>	<p>Each student will achieve "8" or higher on Lab Assignment #8 for Part 2 under Ch.9 Reflection Connection</p>	<p>Semester 3</p> <p>Course Faculty</p>	<p>Lab assignments</p> <p>Lab instructor</p> <p>Lab coordinator</p>	<p>New Assessment</p> <p>RAD 138: n: 28/28 (100%) will achieve 8 or higher.</p>	<p>Benchmark Met.</p> <p>In RAD 138, Lab Assignment #8, Part 2: Ch.9 Reflection Connection. Students wrote a reflection on how to create the "ideal quality image" using five quality characteristics of the image and the equipment from Ch.9 in the textbook. The reflection was worth 10 points. The benchmark was met because each student completed the reflection. However, moving forward, a rubric will be created, and the benchmark will be measured by just the five quality characteristics.</p>

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2. Evaluate radiographic images for appropriate quality	a) Image Evaluation project Direct RAD 121	Each student will score 80% or higher on this project	Semester 2 Course Faculty Clinical Faculty	Image Evaluation Project Radiographic images for evaluation LMS BASICS evaluation criteria/rubric	<p>RAD 121: n: 27/27 (100%) achieved a score of 80% Avg: 98%</p> <p>RAD 121: n:24/24 (100%) achieved an 80% or higher. Ave. 98/100= 98%</p> <p>RAD 121: n: 28/28 (100%) achieved an 80% or higher. Ave.99/100 =99%</p> <p>RAD 121: n: 29; 26/29 (89.7%) scored 80% or higher on this project. Class avg. 71.6/75 (95.4%). New measure</p>	<p>RAD 121 Benchmark met. 27/27 scored 80% or higher evaluating radiographic images for appropriate quality. The students complete the image evaluation on their own which allows the students to demonstrate the progress in their image evaluation skills.</p> <p>The plan moving forward is to continue assess students' ability to evaluate images for appropriate quality and provide remediation if they do not meet the benchmark.</p>	<p>JRCERT Annual Report</p> <p>Advisory Committee</p> <p>College Website</p>
	b) Image Evaluation Project Direct RAD 251 (New Curriculum-moved from RAD 261).	Each student will score 90% or higher on this project	Semester 5 Course Faculty Clinical Faculty	Image Evaluation Project Radiographic images for evaluation LMS BASICS evaluation criteria/rubric	<p>RAD 251: n:23/23 (100%) achieved a score of 90% or higher</p> <p>RAD 261: n:26/26 (100%) achieved a score of 90% or higher.</p> <p>RAD 261: n: 16/18 (89%) achieved a score of 90% or higher. Class avg. = 95.4%</p> <p>RAD 261: n:14; 14/14 (100%) scored 90% or higher on this project. Class avg. 98.9%</p>	<p>RAD 251 Benchmark met. 23/23 scored 90% or higher on evaluating radiographic images for appropriate quality. The students complete the image evaluation on their own which allows the students to demonstrate assessment of their own images as they prepare to graduate.</p> <p>The plan moving forward is to continue assess students' ability to evaluate images for appropriate quality and provide remediation if they do not meet the benchmark.</p>	

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3. Apply proper radiation protection to patient, self and others	a) Outpatient Experience Evaluation Direct RAD 131 & 251	Each student will achieve a 3 (or higher) in RAD 131 and 4 (or higher) in RAD 251 on Section IV Technical Skills, #7 Radiation Protection section of the evaluation.	Semesters 3 & 5 Course Faculty	Clinical Evaluation Clinical Instructors Clinical education site	<p>AY 2019-20 (blue): RAD 131: n:22/22 (100%) achieved a 3 or higher. RAD 251: n: 15/15 (100% of students available) achieved a 4 or higher. RAD 131: n:22/23 (96%) achieved a 3 or higher. RAD 251: n:25/27 (93%) achieved a 4 or higher.</p> <p>AY 2018-19 (purple): RAD 131: n: 28/28 (100%) achieved a 3 or higher RAD 251: n: 28/28 (100%) achieved 4 or higher.</p> <p>AY 2017-18 (red): RAD131: n: 28/28 (100%) scored 2 or higher. RAD261: n:10/10 (100%) scored 4 or higher.</p>	<p>AY 2019-20 (blue): RAD 131 22/22 student applied proper radiation protection to the patient, self, and others on their Outpatient Experience Evaluation. Each student achieved a 3 or higher on section IV technical skills #7, Radiation Protection.</p> <p>AY 2018-19 (purple): Due to the COVID, RAD 131 was moved to the Fall 2020 semester and data collection was delayed until all students completed their evaluations.</p> <p>AY 2017-18 (red): RAD 251 15/15 student applied proper radiation protection to the patient, self, and others on their Outpatient Experience Evaluation. Each student achieved a 4 or higher on section IV technical skills #7, Radiation Protection.</p> <p>AY 2016-17 (green): The plan moving forward is to assess the students' ability to apply proper radiation protection to the patient, self, and others using the new Professionalism Evaluation tool.</p>	<p>JRCERT Annual Report</p> <p>Advisory Committee</p> <p>College Website</p>

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<p>b) Laboratory Simulations</p> <p>Direct</p> <p>RAD 115 & RAD 225</p>	<p>Each student will collimate and use lead protection 80% of the time during simulations in RAD 115 and 90% of the time in RAD 225.</p>	<p>Semesters 1 & 4</p> <p>Course Faculty</p>	<p>X-ray equipment</p> <p>Lab simulations</p> <p>Lab instructor</p> <p>Lab coordinator</p> <p>Simulation</p> <p>evaluation rubric</p>	<p>RAD 115: n: 27; 16/27 (59%) RAD 225: n: 23; 18/23 (78%)</p> <p>RAD 115: n: 26; 26/26 (100%) scored 80% or higher for RP in RAD 115 simulations. Course avg. Collimation 6.8/8 (85%). GP 3.5/4 (87.5%).</p> <p>RAD 115: n: 29; 29/29 (100%) scored 80% or higher for RP in 115 simulations. Course avg: Coll- 7.7/8 (96%) GP- 3.9/4 (97%)</p> <p>RAD 135: n: 25/28 (89%) scored 90% on higher for RP. Collimation n: 19/28 (68%) scored 90% on higher.</p> <p>RAD115: n: 29; 29/29 (100%) scored 80% on higher for RP in 115 simulations. Course avg: Coll- 3.6/4 (90%) GP- 3.95/4 (97.5%)</p> <p>RAD135:n: 28; 28/28 (100%) scored 90% or higher for RP during RAD 135 simulations. Course avg. Coll- 98.12%; GP- 100%.</p>	<p>Benchmark not met.</p> <p>In RAD 115, lead protection was used 96% of the time, but collimation was used only 59% of the time. Overall, the benchmark was NOT MET</p> <p>In RAD 225, lead protection was used 100% of the time, and collimation 78%. Overall, benchmark NOT MET</p> <p>Analysis:</p> <ul style="list-style-type: none"> - In AY 20/21 we will separate lead shielding and collimation into two separate PLOs - We will reconsider what good collimation means, and how we are assessing the use of collimation. As part of this, we will review what Bontrager and Merrill's recommendation, and will check with other Rad Tech Program to see how they are assessing this area of Radiation Protection. 	
<p>c) OSL Dose Reports</p> <p>Indirect</p> <p>(RAD 251)</p>	<p>Each student will be below ALARA Level II (Whole body=375mrem; Ext/Skin=3750mrem; Eyes=1125mrem) for Q1-Q4 readings; this corresponds to beginning of semester II (Jan) – end of semester IV (Dec).</p>	<p>Reported in Semester 5 (RAD 251)</p> <p>IRRP</p>	<p>OSL Dose Reports</p> <p>IRRP and Physics review</p>	<p>RAD 251: n: 23/23 (100%) Ave. Whole body= 8.6mrem Ext/Skin=7.2mrem Eyes=8.6mrem</p> <p>RAD 251: n:29/29 (100%) Ave. Whole body=10mrem; Ext/Skin=8mrem; Eyes=10mrem</p> <p>New benchmark. RAD 251: n: 28/28 (100%) Ave. Whole body=10mrem; Ext/Skin=8mrem; Eyes=10mrem</p>	<p>Benchmark met.</p> <p>RAD 251: n: 23/23 of the students were below ALARA Level II from January, (beginning of Semester II to December, end of Semester IV)</p> <p>The plan moving to forward is to continue to assess the OSL Dose Reports for any increase in readings.</p>	

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d) Lab Assignment #2 Indirect RAD 138	90% of the students will respond with "Confident or Very Confident" on the Post Inverse Square Law Experimentation Survey question.	Semester 3 Course Faculty	X-ray equipment Canvas Module Video Lab assignments Lab instructor Lab coordinator	New Assessment RAD 138: n: 27/28 (96%) responded "confident or very confident".	Benchmark Met. In RAD 138, Lab Assignment #2, each student responded to a post experimentation question. Students were asked to reflect on the Inverse Square Law and corresponding experiment and respond to their perceived level of confidence about their knowledge of the ISL and how that information could be used to protect themselves, their patients, and others. 27/28 of the students responded that their level was confident or very confident. One student respond that they were less than confident. However, the student's responses to the reflection questions were strong in understanding. Moving forward, I believe it would be beneficial for students to explain why they feel confident or less than confident in their knowledge, either through an additional question, discussion board, or group discussion.
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4. Provide appropriate patient care in changing situations	a) Appropriate Care Case Studies (score of three case studies will be averaged for this measure) Direct RAD 225 (New Curriculum-moved from RAD 245).	Each student will score an average of 85% or higher on the presented case studies.	Semesters 4 Course Faculty	Case Studies Grading rubric Course Instructor	<p>RAD 225: n: 23/23 (100%) scored 85% or higher</p> <p>RAD 245: n: 27; 27/27 (100%) scored 85% or higher on the case study series.</p> <p>RAD 245: n: 28; 28/28 (100%) scored 85% or higher on the case study series.</p> <p>RAD245: n: 22; 22/22(100%) scored 85% or higher.</p> <p>New measure</p>	Benchmark met. 23/23 of the students scored 85% on the presented case studies.. The plan moving forward is to add a class discussion over the case studies using the think/pair/share format to promote a better understanding of appropriate patient care in changing situations.	JRCERT Annual Report Advisory Committee College Website
	b) Age Appropriate Care Assessment Direct RAD 105	Each student will score 80% or higher on questions 92-96 (5 questions) on the mid-term exam.	Semester 1 Course Faculty	Mid-term exam	<p>RAD 105: n: 27; 21/27 (78%) scored 80% or higher. Ave. 86%</p> <p>RAD 105: n: 26; 26/26 (100%) scored 80% or higher. Ave. 98%</p> <p>RAD 101: n: 29; 29/29 (100%) scored 80% or higher. Avg. 98.6%</p> <p>RAD101: n: 29; 29/29 (100%) scored 80% or higher. Avg. 96.21%</p>	Benchmark not met. AY 2018/2019 the measuring tool was an in-class worksheet. It was felt this was not a true assessment of the students' knowledge of Age-Appropriate care. This year, AY 2019/2020, the student completed the in-class worksheet, but the measuring tool was 5 questions on the mid-term exam. It was felt the review of content should be more interactive. The plan moving forward will be to add Age-Appropriate Care scenarios as a class activity to bring the content to life and continue with the questions to the mid-term exam for assessment of their knowledge.	

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c) Communication with various patient populations Direct RAD 105	Each student will score 75% or higher on questions 84-91 (8 questions) on the mid-term exam.	Semester 1 Course Faculty	Mid-term exam	RAD 105: n: 27; 21/27 (78%) scored 75% or higher. Ave. 75% New Outcome: RAD 105: n: 26; 26/26 (100%) scored 80% or higher. Ave. 100%	Benchmark not met. AY 2018/2019 the measuring tool was an in-class worksheet. This year, AY 2019/2020, the student completed the in-class worksheet, but the measuring tool was 8 questions on the mid-term exam. The plan moving forward will be to add Communication with various patient population scenarios as a class activity to bring the content to life and continue with the questions to the mid-term exam for assessment of their knowledge.	
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5. Perform effectively in a variety of imaging areas	a) Outpatient Experience Evaluation Direct RAD 121	Each student will score a 3 (or higher) on questions I.2, II.4, IV.3 & 6, and V.3 on the OP Rotation Evaluation form.	Semester 2 Course Faculty	Clinical Evaluation tool Clinical Instructors Clinical education site	RAD 121: n:16/16 (100%) scored a 3 or higher RAD 121: n:24/24 (100%) scored a 3 or higher. RAD 121: 28/28 (100%) scored a 3 or higher. 4.94/5= 98.8% New evaluation tool RAD 121: n: 29; 29/29 (100%) scored a "2" or higher. New course	RAD 121 Benchmark met. 16/16 students scored a 3 or higher on Section/question I.2; 11.4; IV.3; and V.3 on the Outpatient Rotation Evaluation. Due to the COVID, RAD 121 was completed in Fall 2020 semester and data collection was delayed until students completed their evaluations. However, not all students were able to complete the evaluation. The plan moving forward is to assess the students' ability to perform effectively in a variety of imaging areas using the new Professionalism Evaluation tool.	JRCERT Annual Report Advisory Committee College Website
	b) ER Experience Evaluation Direct RAD 251	Each student will score a 3 (or higher) on the on questions I.7, II.3, III.1, IV.4, V.3 on the ER Rotation Evaluation form.	Semester 5 Course Faculty	Clinical Evaluation tool Clinical Instructors Clinical education site	RAD 251: n: 13/13 (100%) scored a 3 or higher RAD 251: n: 25/27 (93%) scored a 3 or higher. RAD 251: 28/28 (100%) scored a 3 or higher. 4.89/5= 97.8% New evaluation tool RAD 251: n: 21; 21/21 (100%) scored a "2" or higher. New course	RAD 251: Benchmark met 13/13 scored 3 or higher on Section/question I.7; II.3; III.1; IV.4 and V.3 on the ER Rotation Evaluation. The plan moving forward is to assess the students' ability to perform effectively in a variety of imaging areas using the new Professionalism Evaluation tool.	

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6. Demonstrate effective communication skills	a) Patient Communication Project Direct RAD 225 (New Curriculum-moved from RAD 245).	Each student will score 85% or higher on this project	Semester 4 Course Faculty	Communication project Project Grading Rubric	RAD 225: n: 23; 23/23 (100%) RAD 245: n: 27; 27/27 (100%) scored above 85%; Avg. 100% RAD 245: n: 28; 28/28 (100%) scored above 85%; Avg. 96.75% RAD245: n: 23; 23/23 (100%) scored above 85%. Avg: 99.65%. New measure	Benchmark met: For AY 2019/2020 review Radiology modalities as prep for this assignment, to encourage more in-depth responses to case studies	JRCERT Annual Report Advisory Committee College Website
	b) Oral Reports Direct RAD 105	Each student will score an 80% or higher on the oral presentation.	Semester 1 Course Faculty	Professional journal Articles, Textbook	RAD 105: n: 27; 27/27 (100%) RAD 105: n: 26; 26/26 (100%) scored an 80% or higher. Avg. 99% RAD 101: n: 29; 29/29 (100%) scored an 80% or higher. Avg. 95.17% RAD101: n: 29; 29/29 (100%) scored above 80%. Avg. 93.27%	Benchmark met. 27/27 students scored 80% or higher on the oral presentation project. The plan moving forward is to only measure the rubric items marked Rad Assessment – Oral Communication Skills (RA-OCS). The items on the grading rubric concentrate on effective oral communication skills. Students will score a 2 or higher on the RA-OCS items.	

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<p>c) Clinical Faculty Evaluation</p> <p>Direct</p> <p>RAD 241</p>	<p>Each student will score a 4 or higher on Part I #1 and Part II #3 section.</p>	<p>Semester 4</p> <p>Course Faculty</p>	<p>Clinical Faculty Evaluations</p> <p>Clinical education site</p>	<p>RAD 241: n: 27; 27/27 (100%) RAD 241: n: 22; 22/22 scored a 4 or higher on both Part 1 #1 and Part ii #3. Avg. 5/5</p> <p>RAD 241: n: 28; 28/28 scored 4 or higher on both Part I #1, Part II #3. Avg. 5/5</p> <p>RAD 241: n: 23 Part I, #1: 23/23 (100%) scored 4 or higher. Avg.: 4.9/5 Part II, #3: 23/23 (100%) scored 4 or higher. Avg.: 5/5 Part V, #2: 23/23 (100%) scored 4 or higher. Avg.: 4.9/5</p>	<p>Benchmark met.</p> <p>27/27 students scored a 4 or higher on Part I, #1 and Part II #3 on the clinical faculty evaluation. The plan moving forward is to change the grading scale from a 1-5 scale to a more descriptive scale for the students' current level of expectation for demonstration of effective communication skills. The scale will represent below expectations, meets expectations, exceeds expectations. Changes will be made to the Clinical Faculty Evaluation form when the clinical forms are revised for AY 20-21.</p>	
<p>d) Written Technical Paper</p> <p>Direct</p> <p>RAD 208</p>	<p>Each student will score 85% or higher on the Written Technical Paper.</p>	<p>Semester 4</p> <p>Course Faculty</p>	<p>Written technical paper</p> <p>Professional Journal Articles</p> <p>Textbook</p>	<p>RAD 208: n: 23; 22/23 (96%) RAD 255: n: 27; 26/27 (96%) Scored 85% or higher; 1/27 (4%) scored 84% or lower; Ave.71.3/75 (95%)</p> <p>RAD 255: n: 28; 26/28 (93%) Scored 85% or higher; 2 of 28 scored 84% or lower; Ave.71.79/75= 95.71%</p> <p>RAD255: n: 23; 22/23 (95.7%) scored 85% or higher on the technical paper. 1 of 23 score 84%.</p>	<p>Benchmark not met.</p> <p>22/23 students scored 85% or higher on the written technical paper. Check-ins were added throughout the course to provide structure and to help students stay on task to complete their paper. The plan moving forward is to discuss paper outlines with each student and provide feedback prior to them completing their paper.</p>	

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7. Practice professional and ethical behaviors	a) ASRT Professional Organization assignment Direct RAD 280 (content moved from RAD 260)	Each student will score 80% or higher on the assignment.	Semester 5 Course Faculty	ASRT Professional journals Project grading rubric	<p>RAD 280: n:23/23 (100%) scored 80% or higher.</p> <p>RAD 260: n:27/27 (100%) scored 80% or higher.</p> <p>Class Ave. 20/20 (100%)</p> <p>RAD 260: n:28/28 (100%) scored 80% or higher.</p> <p>Class Ave. 20/20 (100%)</p> <p>RAD 260: n:22; 22/22 (100%) scored 80% or higher. Class Avg. 99.8%</p>	Benchmark met. 23/23 students scored 80% or higher on the ASRT Professional Organization assignment. The assignment includes several questions regarding the ASRT. Students are directed to the ASRT website to find the answers to the questions. This year a question was added regarding current trends in the field. Students were asked to search for a current trend in Radiography today and write a paragraph about the trend and how it may impact their practice as a technologist. The plan moving forward is to continue to lead students to the ASRT and other professional resources.	JRCERT Annual Report Advisory Committee College Website
	b) CQR Plan Direct RAD 280 (content moved from RAD 260)	Each student will score 80% or higher on their plan.	Semester 5 Course Faculty	Class resources Project grading rubric	<p>RAD 280: n:23/23 (100%) scored 80% or higher.</p> <p>RAD 260: n:27/27 (100%) scored 80% or higher on their plan.</p> <p>Ave.20/20 =100%</p> <p>RAD 260: n:28/28 (100%) scored 80% or higher on their plan.</p> <p>Ave.20/20 =100%</p> <p>RAD 260: n:23; 23/23 (100%) score 80% or higher.</p>	Benchmark met. 23/23 student scored 80% or higher on their CQR Plan. The plan moving forward is to continue to educate students on the CQR process. However, an updated version of this assignment could be more beneficial to assess.	
	c) Clinical Professionalism Evaluation Direct	Each student will score 6 or higher on each of the section of the evaluation for	Semester 3 & 5 Course Faculty	Professionalism Evaluation – evaluated in 131 at home facility; 251 is alternate facility	<p>RAD 131: 25/26 (96%) scored 6 or higher on Likert scale.</p> <p>RAD 251: 22/22 (100%) scored 8 or higher on Likert scale</p>	RAD 251 Benchmark met. 22/22 students scored 8 or higher on each section of the Clinical Professionalism Evaluation. Because of COVID, not every	

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	RAD 131 RAD 251	RAD 131 and an 8 or higher on each section for RAD 251. (10 point Likert scale)		Clinical Instructors Clinical education site	<p>RAD 131: 21/23 (91%) scored 6 or higher. RAD 251: 27/27 (100%) scored 8 or higher.</p> <p>RAD 131: 26/28 (92.3%) scored 8 or higher. Ave. 9.93/10 RAD 251: 28/28 (100%) scored 8 or higher. 9.64/10= 96</p> <p>New evaluation tool RAD 121: n 29. 29/29 (100%) met appearance; 29/29 (100%) met motivation; 29/29 (100%) met attitude; 29/29 (100%) met behavior expectations.</p>	<p>student completed the evaluation.</p> <p>RAD 131 Benchmark not met. 25/26 students scored 6 or higher on each section of the Clinical Professionalism Evaluation. Due to the COVID, RAD 131 was moved to the Fall 2020 semester and data collection was delayed until all students completed their evaluations.</p> <p>The plan moving forward is to assess the students' ability to Practice professional and ethical behaviors using the new Professionalism Evaluation tool.</p>	
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Learning Outcome (Program)	Measure (specify direct or indirect)	Benchmark	Schedule and Person Responsible	Resources Needed	Results	Analysis & Plan for Improvement	Communication Plan
8. Integrate Mercy Core Values into Clinical Practice	a) Clinical Reflective Journal Project Indirect RAD 121	Each student will score 90% or higher on the core value clinical project.	Semester 2 Course Faculty	Journals Clinical Instructors Clinical education site Rubric	RAD 121: 27/27 (100%) scored a 90% or higher RAD 121: 23/24 (96%) scored a 90% or higher. Ave.98/100=98% RAD 121: 28/28 (100%) Ave. 98.9/100= 98.9% RAD 121: n: 29; 29/29 (100%) scored 90% or higher.	Benchmark met. 27/27 students scored 90% or higher on the Mercy Value clinical project. The plan moving forward is to continue to assessment the students at this level on their ability to integrate Mercy Values into their clinical practice. This assignment is also measured as an institutional goal to measure the students' ability to integrate the college's mission and values into their patient care.	JRCERT Annual Report Advisory Committee College Website
	b) Code of Ethics Assignment Indirect RAD 280 (Moved from RAD 241)	Each student will score 80% or higher on the assignment.	Semester 5 Course Faculty	Ethical cases LMS Rubric	No Data Collected RAD 241: n: 27; 27/27 (100%) scored 80% or higher. Avg. 100% RAD 241: n: 27; 24/27(88.9%) scored 80% or higher. Avg. 24.25/25 RAD241: n: 22; 22/22 (100%) scored 80% or higher. New course	Data Not Collected: The plan for AY 19-20 was to move this measure from RAD 241 to RAD 280 course. Due to COVID this assignment was not added to the RAD 280 course. However, for AY 20-21, the plan is to add this measure to the Five-Year Plan Assignment. Integrate Mercy Values into Clinical Practice will be added to the assignment and measured.	
	c) One-Day Evaluation Direct RAD 131	Each student will score 4 or higher in section 1, #6, on a random One-Day Evaluation	Semester 3 Course Faculty	Clinical Evaluation tool Clinical Instructors Clinical education site	RAD 131: 27/28 (96%) score a 4 or higher. New Assessment item RAD 131: n: 23/23 (100%) score a 4 or higher.	Not Met RAD 131 Benchmark not met. 27/28 students scored 4 or higher on section 1, #6 of the One-Day Evaluation. Due to the COVID, RAD 131 was moved to the Fall 2020 semester and data collection	

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						was delayed until all students completed their evaluations. The plan moving forward is to assess the students' ability to Integrate Mercy Core Values into Clinical Practice using the new Professionalism Evaluation tool.
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Learning Outcome (Program)	Measure (specify direct or indirect)	Benchmark	Schedule and Person Responsible	Resources Needed	Results	Analysis & Plan for Improvement	Communication Plan
9. Perform at entry level expectations	a) Retention Rates (JRCERT requirement) Direct	75% of students who began the Radiography program will complete the program.	Annually Program Director	Retention data Record's office	Class of 2019: n: 27/30; 90% Class of 2018: n: 28/30; 93% Class of 2017: n:23/29; 79.3% Class of 2016: n:26/30; 86.7% Class of 2015: n:26/30; 86.7%	Benchmark met.	JRCERT Annual Report Advisory Committee College Website
	b) Registry examination (JRCERT requirement) Direct	5 yr. avg. of 80% for students who will pass the ARRT Registry examination on first attempt within 6 months of graduation.	Annually Program Director	Registry Exam ARRT Portal	Class of 2019: n:25/27; 93% Class of 2018: n: 23/26; 88% Class of 2017: n: 15/19; 78.9% Class of 2016: n:22/25; 88% Class of 2015: n:22/25; 88% 5 Year Average: n: 106/121; 87.6%	Benchmark met.	JRCERT Annual Report Advisory Committee College Website
	c) Employment Rates (JRCERT requirement) Indirect	5 year average of 75% for employment of graduates 12 months post-graduation.	Annually Program Director	Employment Tracking Tool	Class of 2019: n: 24/24; 100% (12 months) Class of 2018: n: 25/25; 100% (12 months) Class of 2017: N: 13/14; 93% (12 months) Class of 2016: n: 25/25; 100% (12 months) Class of 2015: n: 22/23; 95.6% (12 months) 5 year average: n:109/111; 98% (12 months)	Benchmark met.	JRCERT Annual Report Advisory Committee College Website
	d) Mercy College Alumni Survey	Graduate satisfaction of "good" or higher	Annually Program Director	Mercy College Alumni Survey	Class of 2019: 100% n: 7 Class of 2018: 100% n: 11	Benchmark met.	JRCERT Annual Report

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	(JRCERT requirement) Indirect	on corresponding "PLO 9 satisfaction" question.	Sent approximately 6 months after graduation	Data analyst's report	Class of 2017: 88% n: 8 Class of 2016: 100% n: 13 Class of 2015: 100% n: 8		Advisory Committee College Website
	e) Employer Surveys (JRCERT requirement) Indirect	Employer satisfaction of 3 or higher on "performs at entry level expectations"	Annually Program Director Emailed approximately 12 months post-graduation	Employer Surveys	Class of 2019: 12/12 (100%) Class of 2018: 10/10 (100%) Class of 2017: 8/8 (100%) Class of 2016: 16/16 (100%) scored 3 or higher on the perform at entry-level expectations. Class of 2015: 15/16 graduates (93.75%) were rated 3 or higher on <u>all</u> satisfaction questions.	Benchmark met.	JRCERT Annual Report Advisory Committee College Website