

**CENTRAL NEW MEXICO COMMUNITY COLLEGE**  
**ASSESSMENT REPORT**  
*Due to SAAC by October 15*

**PART 1: CONTACT & PROGRAM IDENTIFICATION**

Report Year and Contact Information:			
<u>2013-2014</u> <b>Academic Year</b>	<u>Richard M. Crabb</u> <b>Contact Person</b>	<u>Rcrabb1@cnm.edu</u> <b>Email</b>	<u>505.224.4000, x52923</u> <b>Phone Number</b>

Subject of this Assessment Report:		
<b>Program:</b> <u>Radiologic Technology</u> <input type="checkbox"/> Certificate <input type="checkbox"/> AA <input type="checkbox"/> AS <input checked="" type="checkbox"/> AAS	<b>Gen Ed Area:</b> _____ Applicable to: <input type="checkbox"/> AA/AS <input type="checkbox"/> AAS	<b>Discipline Area:</b> _____

**PART 2: EVIDENCE OF ACHIEVEMENT OF PROGRAM OUTCOMES**

Summary of Program Success in Achieving Desired Outcomes:
<ol style="list-style-type: none"> <li>1. Students will achieve a 80% first time pass rate on the ARRT national board               <ol style="list-style-type: none"> <li>a. 84% pass rate for the ARRT national boards for class of 2013. Average pass rate over the length of the program is 91.4%</li> </ol> </li> <li>2. Students will pass a final lab evaluation with a score of 75% on a scale of 100%               <ol style="list-style-type: none"> <li>a. All passed final lab evaluation with score 75% or better</li> </ol> </li> <li>3. Students will pass a final clinical competence evaluation with 75% on a scaled score or 100%               <ol style="list-style-type: none"> <li>a. All passed final clinical competence evaluation with 75% or better.</li> </ol> </li> <li>4. All Targets Met – No Action Required</li> </ol>

Description and Evaluation of Recent Changes Made in Support of Student Learning:
<ul style="list-style-type: none"> <li>• Better use of online opportunities to get students more learning opportunities               <ul style="list-style-type: none"> <li>○ Mosby’s Radiography Online or online work books were introduced allowing students an interactive way to engage with the learning material –to improve ARRT board results</li> <li>○ Course documents put up on blackboard to facilitate student access to information for improved learning outcomes</li> </ul> </li> </ul>

- Used CNM faculty to increase level of student clinical instruction and evaluation. Collecting data and setting procedures this year.
- Increased hands on opportunities to try and make abstract concepts more concrete.
  - Use direct clinical QC activities to instruct in evaluation of radiation beam quality and quantity
- Use of human simulation lab to help students have better appreciation of clinical emergencies

### PART 3: REPORT ON RECENT ASSESSMENT OF STUDENT LEARNING PROCESSES

<b>Learning Outcome(s)/Exit Competencies Assessed:</b> <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	<b>Classes/Cohorts Assessed:</b>
1. Demonstrate the practice of radiation safety in the operation of medical imaging devices	August 2013 & 2014 Graduating Cohorts
2. Demonstrate an understanding of applied radiation physics and radiobiology in a clinical setting.	August 2013 & 2014 Graduating Cohorts
3. Demonstrate and show understanding of the principle of ALARA (keeping exposure as low as reasonably achievable) and its application in the clinical setting.	August 2013 & 2014 Graduating Cohorts
4. Demonstrate the knowledge and academic skills necessary to practice radiography in the clinical setting.	August 2013 & 2014 Graduating Cohorts
5. Demonstrate effective communication and professionalism in the medical environment as functioning members of the radiology team	August 2013 & 2014 Graduating Cohorts
6. Demonstrate the ability to evaluate patients' medical and clinical information in order to follow the prescribed radiographic procedures	August 2013 & 2014 Graduating Cohorts
7. Show the ability to critique radiographs for quality of work and ability to provide appropriate clinical information.	August 2013 & 2014 Graduating Cohorts

<b>Measurement Tool(s) Used:</b> <i>To add rows: right-click in cell below and select "Insert," "Insert Rows Above"</i>	<i>Enter X's for type of tool</i>				<b>Initial Achievement Target or Expectation:</b>
	<b>Internal</b>	<b>External</b>	<b>Direct</b>	<b>Indirect</b>	
1. ARRT board exam		X		X	80% Pass Rate on Initial Attempt
2. Final clinical evaluation	X		X		All students pass with 75% or better on a 100% scale
3. Final Mock Registry	X		X		All students pass with 75% or better on a 100% scale

4. Final Mock Registry and ARRT board exam	X	X	X	X	All students pass with 75% or better on 100% scale; 80% Pass Rate on ARRT exam on Initial Attempt
5. Final clinical evaluation	X		X		All students pass with 75% or better on a 100% scale
6. Final Mock Registry and ARRT board exam	X	X	X	X	All students pass with 75% or better on 100% scale; 80% Pass Rate on ARRT exam on Initial Attempt
7. Final clinical evaluation	X		X		All students pass with 75% or better on a 100% scale

<b>Assessment Results/Findings:</b>	
RADT2810-Final Didactic Exam (mock registry)	17 of 19 passed on first attempt with 75% or better
ARRT National Exam Scores	84% pass rate for the ARRT national boards for class of 2013. Average pass rate over the length of the program is 91.4%
RADT2890-Final Clinical Instruction And Evaluation	100% passed with 80% or better
Competency Forms	All ARRT Competencies completed by programs end

<b>Analysis and Interpretation of Assessment Results/Findings:</b>
Program is doing well as documented by the findings. Program is well supported by administration.

<b>Action Plan in Support of Student Learning:</b>
<ul style="list-style-type: none"> <li>• Increase use of Blackboard and Exam View system <ul style="list-style-type: none"> <li>○ Need to be better organized with course material</li> </ul> </li> <li>• Increase use of Radiographic phantoms <ul style="list-style-type: none"> <li>○ Offer students and clinical instructors more learning opportunities, increasing clinical proficiency</li> </ul> </li> <li>• Understand how to integrate Blackboard system into hybrid classes <ul style="list-style-type: none"> <li>○ Increase student learning opportunities</li> <li>○ Increase ARRT scores</li> </ul> </li> <li>• Increase number of radiographic units on campus <ul style="list-style-type: none"> <li>○ Offer student more time on task with x-ray equipment</li> </ul> </li> </ul>

**Recommendations, Proposals, and/or Funding Requests:**

- Increase number of radiographic units on campus
  - Offer student more time on task with x-ray equipment
  - Recommend two more radiographic units
    - Increasing time students have to practice prior to real-life patient encounters.

**PART 4: EMBEDDED OUTCOMES**

**Critical Thinking and Life Skills/Teamwork Development within Programs:**

- a) Please describe how Critical Thinking assessment is embedded within your program assessment.
- b) Please describe how Life Skills/Teamwork assessment is embedded within your program assessment.

a) On a regular basis, the RADT students are working with patients and demonstrating their learned radiologic skills by performing radiographic procedure competencies. Part of these competencies is to adapt to the needs, desires, and health issues of each patient and then perform acceptable radiographs. Since all patients are different, each competency performed well is a documentation of Critical Thinking.

b) Students are evaluated daily on how he/she communicates and/or interacts with patients, clinical staff, physicians, and other medical personnel. These interactions are evaluated by the clinical staff, clinical preceptors, and clinical instructors. Forms are provide the clinical staff and clinical instructors to perform this procedure.

**PART 5: ASSESSMENT CYCLE PLAN** (Copy and paste from original plan if unchanged)

Cycle Years:	Plan Description:
2013-2018	Plan will change soon. New RADT Program Director is working toward programmatic accreditation with the JRCERT. New Program Mission Statement, Program Goals, Program Objectives, Assessment Benchmarks, Assessment Measurement Tools are in process. Below are the current Learning Outcomes until the new ones are adopted.

Student Learning Outcomes/Exit Competencies:	When Measured:	Where Measured:	How Measured:
1. Graduates will pass the ARRT Registry Exam on the first attempt 85% of the time	2 months post-graduation	ARRT National Exam	Scores from the ARRT National Exam
2. Graduates will pass the final mock registry on the first attempt 85% of the time	2013 Cohort - Su 2014 2014 Cohort – Su 2015	RADT2810 – Su 2014 RADT2810 – Su 2015	Written Exam
3. Demonstrate the ability to integrate quality assurance as a part of their professional duties so as to maintain excellent quality of work	1. 2013 Cohort a. F 2013 b. Su 2014 2. 2014 Cohort a. F 2014	1a. RADT2090 – F 2013 1b. RADT2890 – Su 2014 2a. RADT2090 – F 2014 2b. RADT2890 – Su 2015	Clinical Competencies

	b. Su 2015		
4. Show ability to critique radiographs for quality and ability to provide appropriate clinical information	1. 2013 Cohort a. F 2013 b. Su 2014 2. 2014 Cohort a. F 2014 b. Su 2015	1a. RADT2090 – F 2013 1b. RADT2890 – Su 2014 2a. RADT2090 – F 2014 2b. RADT2890 – Su 2015	Clinical Competencies
5. Show ability to manipulate radiographic equipment technique	1. 2013 Cohort a. F 2013 b. Su 2014 2. 2014 Cohort a. F 2014 b. Su 2015	1a. RADT2090 – F 2013 1b. RADT2890 – Su 2014 2a. RADT2090 – F 2014 2b. RADT2890 – Su 2015	Clinical Competencies
6. Skills Demonstrate the ability to follow and complete the steps in performing a radiographic examination in final clinical competency 1. Get radiography room ready 2. Get the patient ready for exam 3. Perform the exam 4. Evaluate the exam	1. 2013 Cohort a. F 2013 b. Su 2014 2. 2014 Cohort a. F 2014 b. Su 2015	1a. RADT2090 – F 2013 1b. RADT2890 – Su 2014 2a. RADT2090 – F 2014 2b. RADT2890 – Su 2015	Clinical Competencies