

**Assessment Plan 2010**  
 Austin Community College  
 Diagnostic Medical Imaging-Radiology  
**Graduating Class of 2010**

**Program Goal #1:** Upon completion of the program and employment, the graduates will satisfactorily demonstrate the following entry level Skills in radiography:

- a. Clinical Competency
- b. Communication Skills
- c. Problem Solving and Critical Thinking Skills
- d. Professional Development and Growth
- e. Demonstrate competency with the following radiographic equipment:
  - (1) Film/screen imaging      (4) Portable Radiography
  - (2) Computed Radiography    (5) C-arm Fluoroscopy
  - (3) Direct Radiography

Desired Outcomes	Measurement Tools	Benchmarks	Time Frame	Person/Group Responsible	Results	Action Taken
Clinical Competency	1.Complete Clinical Education Plan.	Graduates will successfully complete clinical courses with at least a "C"	Yearly, at the end of the program in August	Program Faculty or Clinical Coordinator	100% of enrolled students completed clinical courses with a C or better. Grade averages were: C's = 2.2% B's = 21.33% A's = 76.3%	Continue to Monitor and Revise Clinical Requirements as needed. No Major changes indicated at this time
	2.Employer surveys	90% of respondents will rate graduates as average or better than average.	Every 2-3 years. This cohort will be evaluated next survey cycle in 2011	Program faculty	In 2009 cycle, 100% of respondents indicated that graduates were better than average.	The Program will continue to monitor student performance in clinic.

### Assessment Plan, 2010

**Program Goal #1 continued:**

Desired Outcome	Measurement Tools	Benchmark	Time Frame	Person/Group Responsible	Results	Action Taken
Clinical Competency continued	3. Graduate Surveys	90% of graduates will rate their entry level skills as average or better.	Every 2 – 3 years. This cohort scheduled to survey in 2011	Program Director and Faculty	2010 Graduates have not been surveyed yet	Continue to monitor.
	4. Lab Practical Competencies	90% of enrolled students will pass the competency testing	Annual: 1 <sup>st</sup> year students in July and 2 <sup>nd</sup> Year students in April.	Program Faculty	1 <sup>st</sup> year students: 5 out of 40 failed or 12.5% retained. Benchmark net met. 2 <sup>nd</sup> Year = 100% passed 30 out of 30. Benchmark passed	For unsuccessful students, mandatory and voluntary lab sessions with faculty supervision. For 2 <sup>nd</sup> year students, continue to monitor clinical experience.
<b>Communication Skills</b>	1. Professional Skills Development Evaluations	90% of enrolled students will demonstrate satisfactory communication skills.	Twice a semester during clinical courses	Program Faculty	100% of students demonstrated satisfactory communication skills	Continue to monitor.
	2. Completion of Radiology course assignments, research, and oral presentation requirements	90% of enrolled students will demonstrate satisfactory communication skills on class requirements	During three semesters of the program: Summer 1 <sup>st</sup> year, Fall 2 <sup>nd</sup> Year, and Spring 2 <sup>nd</sup> Year	Program Faculty	To date, all successful students have demonstrated satisfactory communication skills.	Continue to monitor . No action needed at this time.

**Assessment Plan 2010**

**Program goal #1 continued:**

<b>Desired Outcomes</b>	<b>Measurement Tools</b>	<b>Benchmarks</b>	<b>Time Frame</b>	<b>Person/Group Responsible</b>	<b>Results</b>	<b>Actions Taken</b>
Communication Skills	3. Employer Surveys	90% of the respondents will rate the communication skills of graduates as better than average.	Every 2 – 3 Years. This cohort will be surveyed in 2011	Program Faculty	Current Graduates have not yet been surveyed. Previous survey 2009 indicates that employers rated the communication skills of graduates as better than average.	Continue to monitor and administer survey in 2011.
Problem Solving and Critical Thinking Skills	1. General program assignments, lab activities, and examinations	75% of enrolled students will compete RAD courses with a C or better.	Yearly at the end of the program	Program Director and faculty	100% of the graduates completed the program courses with a C or better	Continue to monitor and revise program assignments that stimulate problem solving and critical thinking skills
	2. Film/Image Analysis Projects	75% of enrolled students will pass film/image analysis activities with a C or better	Twice per semester in clinical courses	Program Director and faculty	100% of the cohort passed the film analysis projects with at least a C or B	Continue to monitor and begin to develop new image analysis activities with digitizer.

### Assessment Plan 2010

**Program Goal #1 continued:**

<b>Desired Outcomes</b>	<b>Measurement Tools</b>	<b>Benchmarks</b>	<b>Time Frame</b>	<b>Person/group responsible</b>	<b>Results</b>	<b>Actions Taken</b>
Problem Solving and Critical Thinking Skills continued.	3. Employer Surveys	90% of returned surveys will indicate average or better than average problem solving and critical thinking skills	Every 2-3 years Previous cycle in 2009. This cohort scheduled to be surveyed in 2011	Program Director and faculty	Current surveys (2009 graduates) indicate that 100% of previous graduates have better than average problem solving and critical thinking skills	Continue to monitor and revise critical thinking and problem solving exercises.
	4. Practical Competency Evaluations	Students will demonstrate problem solving and critical thinking skills 80% of the time	During clinical challenges, Positioning Course practical testing, and during simulated clinical testing.	Program director and faculty	1 <sup>st</sup> Year: 5 out of 40 failed. 5 of 5 of unsuccessful students did not meet benchmark. 2 <sup>nd</sup> Year Students, = 100% pass.	Implemented additional practice sessions with instructor supervision.
Demonstrate professional growth and development	Survey Graduates to determine professional development.	25% of graduates will train in an advanced modality or continue their education to a higher degree	Every 2-3 years. This cohort will be surveyed in 2011	Program Director and Program Faculty	Current survey for 2009 Cohort indicates 21% are in advanced Imaging modalities	Continue to monitor and make available additional elective rotations through advanced imaging modalities.

### Assessment Plan 2010

**Program Goal #1 continued:**

<b>Desired Outcomes</b>	<b>Measurement Tools</b>	<b>Benchmark</b>	<b>Time Frame</b>	<b>Person/Group responsible</b>	<b>Results</b>	<b>Action Taken</b>
Demonstrate competency with the following energized lab equipment: <ol style="list-style-type: none"> <li>1. Screen/film Radiography</li> <li>2. CR</li> <li>3. DR</li> <li>4. Portable Radiography</li> <li>5. C-arm Fluoroscopy</li> </ol>	Successful completion of Evaluation tools: <ol style="list-style-type: none"> <li>1. Clinical Competencies</li> <li>2. lab activities</li> </ol>	100% of students will demonstrate competency in using these modalities	Compile data at the end of the program	Program Director & Faculty	100% of graduates demonstrated proficiency and competency in using the energized lab equipment	Continue to Monitor and document completion of lab activities using the energized equipment.

### Assessment Plan 2010

**Program Goal #2:** Upon completion of the program, a minimum of 90% of the graduates will be successful on the national credentialing Examination on the first attempt.

Desired Outcomes	Measurement Tools	Benchmark	Time Frame	Person/Group Responsible	Results	Action Plan
Successful completion of the American Registry of Radiologic Technologists Credentialing Examination	1.Completion of the program curriculum	A minimum of 75% of admitted students will pass the program courses.	Yearly in August	Program Director	This Cohort started with 42 students. 27 Completed the program and this represents 64%	Continue to monitor enrollments and make every effort to help students succeed. See Goal 3 for action plan.
	2.Successful completion of comprehensive final examination in RADR 2335-Rad Tech Seminar	At least 90% of enrolled students will pass the examination	Yearly in August	Program Director & Faculty	27 out of 29 students passed the final exam and the course. This represents <b>93%</b> of the class.	Continue to monitor course and work with students.
	3.ARRT Exam Results	At least 90% of graduates will pass the exam on their first attempt.	Yearly in Spring	Program Director & Faculty	<b>This will be assessed in the Spring of 2011 or when cohort has all tested.</b>	

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**Program Goal #3:** It is the goal of the program to have 75% of the admitted students complete the two year curriculum.

Desired Outcomes	Measurement Tools	Benchmark	Time Frame	Person/Group Responsible	Results	Action Taken
To have 75% of admitted students successfully complete the two year program	Graduation rate	Retain 75% of class	Every Year in August	Program Director and faculty	This cohort started with 42 students and at the end of the program, 27 remained. This represents a pass rate of 64.2%	We will continue to monitor the situation and initiate early intervention to help the students.

### Assessment of Attrition Rate

Withdrawal, Personal Choice	Health Reasons	Academic Failure	Clinical Skills or Performance Issues
1 student = 2.3%	1 student= 2.3%	7 students = 16.6%	5 students = 11.9%

### Plan of Action

**Faculty observations:** It should be noted that out of the twelve students that either failed academically or had clinical performance issues, six of them have been re-instated in the program and are progressing well now that they are back in the cohort scheduled to graduate in August 2011. The following plan of action appears to be working with the returning students that were unsuccessful during their first year of the program.

1. Prepare an early concern note/counseling session at the first sign that a student is having difficult.

2. It is clear in speaking with current students that the initial semester is very stressful and challenges the students like they have never been challenged before. It is noted that most students took their pre-requisites one or two courses at a time which permitted them to have ample time to prepare well and excel. Student interviews indicates also that when they enter the program, the first semester is comprised of four courses which essentially equals a full academic load and because of the nature of the program and subject matter, the students are hard pressed to excel as they did with one or two courses. The plan is to be proactive in sending students to counseling or in some cases, to learn how to communicate better in English by enrolling in remedial courses/workshops. There are some students that are having difficulty communicating in English because it is their second language.

3. The faculty also plan on being more available to students and to make appointments on-line for consulting with students. The notes will indicate what was addressed and the date of consultation.

4. To help those with struggles with calculations, reading comprehension, or writing, the program has developed reading supplements and exercises which use simplified language and example problems to make sure that the students are able to do the learning activities. The student is assigned a project or corrective exercise and then brings it back to the instructor for review and assessment.

### Assessment Plan 2010

**Program Goal #4:** It is the goal of the program to have 85% of the graduates seeking employment in medical imaging to be employed within 6 months of graduation.

Desired Outcomes	Measurement Tools	Benchmarks	Time Frame	Person/Group Responsible	Results	Action Taken
To have 85% of the graduates employed within 6 months of graduation.	Employment Rate Survey	To have 85% of graduates seeking employment in medical imaging to be employed within 6 months	Annual in Spring (February)	Program Director and faculty	This will be assessed in Feb. 2011	No action has been taken. Data still being collected.

