

## MISSION STATEMENT

Our mission statement defines our purpose and scope and describes what we strive for every day. The mission statement is evaluated annually at advisory meetings.

**The primary mission of the educational program in Radiologic Technology is the development of competent Radiologic technologists to meet the healthcare needs of our communities and others. The school seeks to provide the environment, equipment, instructional materials, and staff to offer a balanced practical and academic education in order to provide the individual with the skills, abilities, knowledge, and personality needed to meet the challenge of evolution towards responsible, high quality, cost conscious health care.**

## CURRICULUM GOALS AND OBJECTIVES

The program begins each year in September and is 22 consecutive months in length.

The program is accredited by the Joint Review Committee on Education in Radiologic Technology (JRCERT), and graduates are eligible to apply for admission to the certification exam administered by the American Registry of Radiologic Technologists (ARRT). Program must be completed within 150% of program length.

The learning outcomes that form the base for the curriculum coincide with the competencies of an entry-level radiographer. The goals and objectives are in agreement with the expectations of those adopted by the American Society of Radiologic Technologists.

They may be cast into four broad but related categories:

- (a) Knowledge and clinical skills
- (b) Professional roles and responsibilities within the healthcare team
- (c) Personal characteristics needed for effective professional functioning, and
- (d) Skills of self-directed learning for personal growth.

A wide variety of instructional methods are used throughout the program - lectures, one-on-one teaching, discussion groups, directed reading, supervised clinical labs, clinical rotations, and self-instructional study programs. Academic excellence is demonstrated in our student's performance on the American Registry of Radiologic Technologists (ARRT) certification examination (100% pass rate). Graduate follow-up studies demonstrate a great deal of satisfaction from employers with the patient care and technical skills of our graduates. A number of graduates hold positions in advanced areas of technology, including supervision and administration.

### **Goals for the ThedaCare School of Radiologic Technology**

ThedaCare School of Radiologic Technology has goals that are related back to our mission statement. Goals are measured annually using specific tools, having benchmarks, evaluating the results, and having an action plan after evaluating the results. Goals are listed below along with our assessment outcomes completed measurements.

1. Students will prove clinical competence needed to function as an entry-level radiographer.
2. Provide students with opportunities to promote effective critical thinking and problem solving skills.
3. To promote development of professional attitudes, behaviors, ethics and growth.
4. Graduate clinically competent entry-level radiographers.
5. Students and graduates will demonstrate effective communication skills.

**ThedaCare  
School of Radiologic Technology  
Assessment Outcomes**

**Goal: 1) Students will prove clinical competence needed to function as an entry-level radiographer**

<b>Student learning Outcomes:</b>	<b>Evaluation Method</b>	<b>Benchmark/Time Frame</b>	<b>Actual Outcome</b>	<b>Responsible Group</b>
<b>1.1 Students will demonstrate competency in <i>routine</i> procedures</b>	Competency average on <i>routine</i> exams	>80% Summer 1 Spring 2	Summer 1= 97.8 Spring 2=99.4	Coordinator
	Employee 6 mo employer surveys question #2 <i>Do you think the graduate was adequately prepared to perform routine examinations?</i>	>80% score “average” or higher rating.	100% stated grads were adequately prepared	Director
<b>1.2 Students will apply proper radiation protection</b>	Competency question “Did student apply proper shielding to self and others?”	>85% Summer1 Spring 2 Summer 2	Summer 1-100% Spring 2-100% Summer 2-100%	Coordinator
	6 month employer surveys question #3 <i>How would you rate your employee in regards to radiation protection to self and others?</i>	100% to answer yes. 6 mo post-graduation	100% rated yes	Director

**Goal: 2) Provide students with opportunities to promote effective critical thinking and problem solving skills.**

<b>Outcomes:</b>	<b>Evaluation Method</b>	<b>Benchmark/Time Frame</b>	<b>Actual Outcome</b>	<b>Responsible Group</b>
<b>2.1 Students are able to apply trauma special adaptations</b>	Special adaptation comps	>80% Spring 2,	Spring 2-96.9	Coordinator
	Trauma test out 5 positions, < than 10 min with no critical mistakes	>80 average% Spring 2,	Spring 2-88.8% average successful	Director/Trauma Professor
<b>2.2 Students are able to adapt technical factors according to patients body habitus</b>	Competency eval- category "Proper exposure technique"	>80% acceptable technical factors for body habitus Spring 1/2	Spring 1-100% Spring 2-100%	Positioning Professor
	Lab test out question#6. Set appropriate kVp before positioning? #7. Set appropriate mAs before positioning?	>80% Spring 1/2	Spring 1-85 Spring 2-96	Positioning Professor
<b>2.3 Students are able to respond to emergent situations</b>	Sem 4 Patient code simulation -Locate all supplies <4 min	>80% average Summer 1	<b>90.03 %</b> successful vs 88% last yr	Faculty provided list this year of supplies
	Assess blood pressure, pulse, respirations and temperature	Fall 1 100% completion	Fall 1-100% complete	Any faculty member

**Goal: 3)** To promote development of professional attitudes, behaviors, ethics and growth.

<b>Outcomes:</b>	<b>Evaluation Method</b>	<b>Benchmark/Time Frame</b>	<b>Actual Outcome</b>	<b>Responsible Group</b>
<b>3.1 Students will demonstrate consistent ethical behaviors</b>	Semester clinical eval rubric obj 7 which rates ethical behaviors	>85% Answer yes to professional and ethical question Spring 1/2	Spring 1=100% % Yes Spring 2=100% yes	Coordinator/ CI
	Journal entries rubric which rates professionalism and ethics	100% completed >80% Spring 1/2	Spring 1=86% Spring 2=95.5%	Coordinator/ CI
<b>3.2 Students to understand the importance of professional growth</b>	TIP TV assignment	>80% Summer 1 Spring 2	Summer 1=100% comp Spring 2=100% comp	Coordinator
	Attendance of WAERT meetings	100% attendance Spring 2	Spring 2=0% attended due to pandemic	Director- Benchmark
<b>3.3 Students will employ proper punctuality.</b>	Class roster.	95% < 3 late occurrences/semester Fall 1, summer 1, spring 2	Fall 1=100% met benchmark Summer 1=100% met benchmark	School Faculty

2019-2020 Assessment Plan for ThedaCare School of Radiologic Technology

			Spring 2= 100%	
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**Goal: 4) Graduate clinically competent entry-level radiographers**

<b>Outcomes:</b>	<b>Evaluation Method</b>	<b>Benchmark/Time Frame</b>	<b>Actual Outcome</b>	<b>Responsible Group</b>
<b>4.1 Graduates will successfully pass the ARRT board exam on first attempt.</b>	Credentialing Exam Pass Rate 2020	>90% pass per year on 1 <sup>st</sup> attempt	7 of 8 passed first attempt which is 87.5%	Director/Advisory Committee Pandemic made last semester of learning much different and there were some difficulties in retaining info for some. Second ARRT exam was successful after tutoring from faculty
<b>4.2 Employers will seek our graduates</b>	Employment Statistics surveys	Five-year average job placement rate of not < 75% within 12 months of graduation for those actively seeking employment.	100% placed w/I 1 year time frame	Director/Advisory Committee
	Program completion data	Percent of students who completed the program within stated program length benchmark of <90%	2019—9 of 9 completed program within time allotted.	Program director
<b>4.3 Graduates mean score will meet or exceed ARRT national average.</b>	ARRT credentialing exam	Mean score of credentialing exam will be consistent with or above the national average each year of the exam	Program ave=89 National ave=83.3	Director/Advisory Committee

**Goal: 5) Students and graduates will demonstrate effective communication skills.**

<b>Outcomes:</b>	<b>Evaluation Method</b>	<b>Benchmark/Time Frame</b>	<b>Actual Outcome</b>	<b>Responsible Group</b>
<b>5.1 Students will be able to utilize effective oral communication in the clinical setting</b>	5.1A. Comp performance eval #4/6 which rates oral communication	>90% Fall 1 and Summer 2	Fall 1-93.9% Summer 2-100%	Coordinator
	5.1B 6 month employer survey #5 “Do you feel your employee has proper communication skills in the clinical setting?”	>80% to answer “Good or Excellent”	100% rated excellent	Director
<b>5.3 Students will demonstrate effective written communication skills.</b>	Journal entries (APA format) rubric	>80% Fall1/2	Fall 1-91.2% Fall 2-90.75%	Faculty
	Pathology papers rubric	>80% Spring 2	Spring 2-98%	Pathology Professor

**Note\*\*\***

**9 students---Austin sem Fall/Spring/Summer 1**

**8 students-- J. Martin class sem Fall/Spring/Summer 2**



**2019-2020  
Assessment and analyzing of data**

Goal 1 Assessment of proving clinical competence which is needed to function as an entry level radiographer has been reviewed using our assessment tools.

- Goal one met all benchmarks with no concerns. Program as tracked this data 3 years and will look to new goals for the following year.

Goal 2 evaluates critical thinking and problem solving skills which is essential in our field.

- 2.1 Assessed student comps that needed adaptation in spring 2. As expected, 2.2 trauma test outs are not perfect but did meet benchmark. We will continue to monitor this but I feel we can evaluate other tools to assess since it has been consistent.
- 2.2 No concerns for semester one and two regarding setting proper techniques when comping. Progress has been made and we are ready for new assessment next year.
- 2.3 code assessment has been getting better but would like to continue to monitor this due to importance.

Goal 3 looks to evaluate professional attitudes, behaviors, ethics and growth.

- Goals 3.1-3.3 all met benchmarks with exception of unable to attend WAERT symposium due to CV-19. We have had great success with professionalism, behaviors and growth for 3 year trend so will look to change tools next year.

Goal 4 demonstrates clinical competence at graduation.

- 4.1 benchmark met however we typically do not have anyone fail ARRT exam. CV-19 restrictions had big role in this in my opinion. On-line learning and taking exam 2 weeks early was not a good fit for this student. Program tutored student and 2<sup>nd</sup> attempt passed.
- 4.2 Employers had great things to say.
- 4.3 Program still continues to exceed the national average. Great work all!

Goal 5 assesses effective communication skills.

- 5.1 and 5.3 benchmarks were met and have been exceeding benchmark for past 3 years. Program will look to use different tools to evaluate communication skills for next year.

## 2019-2020 Assessment Plan for ThedaCare School of Radiologic Technology

### 2020 Program Improvements in progress

- 1) Re-design the semester evaluation where students self-assess performance and share with faculty and from there a sit-down will take place and notes will be written at the time. Fall 1 might require a bit more on our part...
- 2) New comp and verify design to assess different benchmarks
- 3) Fluoro Category- We merged a few sections together for fluoro exams that have similarities. The list is below.
- 4) Esophagram or UGI Series with Barium Contrast only
- 5) Single BE (No Overheads Needed) or Double BE-Minimum 3V Needed with Barium Contrast only
- 6) SBS- with Barium Contrast only. Overheads (Min 2 images) and Spot Fluoro are required)
- 7) Water Soluble GI Tract Exam (ESOPH/UGI/SBS/LGI)
- 8) OR Category- intra-op spine is open to CSP or LSP and we took away the Hardware Removal with C-Arm since it is really the same as an ORIF.
- 9) Completely re-designed Spring 2 IA course to ensure we targeted any last items on the ARRT curriculum
- 10) Designed a formal review course for over the summer; "Radiographic Positioning, Anatomy, and IA review Course 440" to make sure students are staying on top of the material from year 1 and are prepared for final practicum.
- 11) Designed a formal course to meet symposium project expectations and also to help students with their understanding of digital material.
- 12) CI's pre-recorded discussion of "pre-orientation" items along with a little intro to their site that need to be covered prior to student starting at their clinical site.
- 13) Moved Intro class to full on-line to make better use of Wednesday class time to meet the needs of other classes.
- 14) Added ThedaCare Pediatrics as a clinical site to help with greater understanding of positioning peds.
- 15) Utilizing virtual meetings to better meet the needs of students at a more distant clinical site.
- 16) Two week clinical rotations to help students better settle in before moving to another site.