

Dalton State College
Radiologic Technology Program
Program Effectiveness Data 2022 Annual Report

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Revised 7/12/2023

Program Mission Statement: The purpose of the Radiologic Technology Program is to provide students with integrated learning experiences in theory and practice that will enable them to provide high quality images and patient care in keeping with the service excellence philosophy of Dalton State College. In the professional course providing these skills and experiences, students are expected to successfully complete the national registry/certification examination.

Goal #1: The student will demonstrate clinical competence.

Student Learning Outcomes:

- 1.1 The student will select appropriate technical factors for both standard and digital imaging.
- 1.2 The student will apply appropriate positioning skills.
- 1.3 The student will practice/apply appropriate radiation protection.

Goal #2: The Student will demonstrate effective communication skills.

Student Learning Outcomes:

- 2.1 The student will demonstrate effective written communication skills with patients and healthcare staff.
- 2.2 The student will demonstrate effective verbal communication skills with patients and healthcare staff.

Goal #3: The Student will utilize critical thinking.

Student Learning Outcomes:

- 3.1 The student will demonstrate logical image sequencing for patients with multiple exams.
- 3.2 The student will evaluate the quality of images.

Goal #4: The student will exhibit professionalism.

Student Learning Outcomes:

- 4.1 The student will utilize professional judgment in delivering patient care.
- 4.2 The student will demonstrate dependability and adaptability to the clinical environment.

Goal #5: The student will be adequately prepared to acquire professional employment within twelve months of program graduation.

Student Learning Outcomes:

- 5.1 The student will complete the program within the stated program length of six semesters.
- 5.2 The students will pass the ARRT certification examination on the first attempt within six months of program graduation with a passing score of 75%.
- 5.3 The students will demonstrate job satisfaction one-year after program graduation.
- 5.4 The student will demonstrate employer satisfaction one-year after program graduation.

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Six Major Indicators of Program Effectiveness and Benchmarks:

Indicator	Program Benchmark
1. Program Completion Rate	Annual program completion rate of at least 75%
2. Program Course Effectiveness	Three-year course evaluation average of at least 3.50/5.0
3. ARRT Scores	Five-year average passing rate of at least 75% for first time attempt examinees within six months of graduation
4. Job Placement Rate	Five-year job placement average rate of at least 75% within twelve months of graduation
5. Satisfaction Rate Graduate	Three-year average graduate satisfaction scores of at least 75% one year post graduation
6. Satisfaction Rate Employer	Three-year average employer satisfaction scores of at least 75% one year post graduation

1. First Indicator of Program Effectiveness: Annual program completion rate of at least a 75% is the benchmark set for the DSC program. The JRCERT Completion Rate definition is as follows:

*Note: Per JRCERT Policy (Standards 2021: **Program Completion Rate:** The number of students who complete the program within the stated length. The program specifies the entry point (e.g., required orientation date, final drop/add date, final date to drop with 100% tuition refund, official class roster date, etc.) used in calculating the program’s completion rate. When calculating the total number of student enrolled in the program (denominator), programs need not consider graduates who attrite due to nonacademic reasons such as: 1) financial, medical/mental health, or family reasons, 2) military deployment, 3) a change in major/course of study, and/or 4) other reasons an institution may classify as a nonacademic withdrawal.

Graduation Year	Percent Completion	Number of Students	Benchmark of 75% Met
2015	100% 14/14	17 began, 14 graduated <ul style="list-style-type: none"> • 3 voluntary w/d 	Yes
2016	100% 15/15	17 began, 15 graduated <ul style="list-style-type: none"> • 2 voluntary w/d 	Yes
2017	100% 14/14	17 began, 14 graduated <ul style="list-style-type: none"> • 2 voluntary w/d 	Yes

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2018	100% 15/15	17 Began, 15 graduated • 2 voluntary w/d	Yes
2019	100% 14/14	17 Began, 14 graduated • 3 voluntary w/d	Yes
2020	100% 16/16	18 Began, 16 graduated • 2 voluntary w/d	Yes
2021	100% 17/17	18 Began, 17 graduated • 2 voluntary w/d	Yes
2022	100% 12/12	18 Began, 12 graduated * 5 voluntary w/d	Yes
2018-2022	100%	*74/74 = 100%	Yes

2. Second Indicator of Program Effectiveness: **Three-year** course evaluation average of at least 3.50/5.00 (70%).

Graduation Year	Didactic Course Evaluation Ave	Benchmark: 70%
2017	4.25/5.00 (85%)	Yes
2018	4.71/5.00 (71%)	Yes
2019	4.59/5.00 (91.80%)	Yes
2020	4.72/5.00 (94.4%)	Yes
2021	4.72/5.00 (94.4%)	Yes
2022	4.95/5.00 (99%)	YES
3 Year average 2020-2022	4.80/5.00 (96%)	Benchmark Met

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3. Third Indicator of Program Effectiveness: **Five-year** average credentialing examination (ARRT) pass rate of not less than 75% for first attempt examinees within six months of graduation.

Graduation Year	Percent Passing on 1st ARRT attempt	Number of Program Students	Benchmark: 75% or greater passing rate
2014	100%	13 of 13 graduates passed on 1 st attempt within 6 months of grad	Yes
2015	100%	14 of 14 graduates passed on 1 st attempt within 6 months of grad	Yes
2016	93%	14 of 15 graduates passed on 1 st attempt within 6 months of grad	Yes
2017	93%	14 of 15 graduates passed on 1 st attempt within 6 months of grad	Yes
2018	100%	15 of 15 graduates passed on 1 st attempt within 6 months of grad	Yes
2019	100%	14 of 14 graduates passed on 1 st attempt within 6 months of grad	Yes
2020	100%	16 of 16 graduates passed on 1 st attempt within 6 months of grad	Yes
2021	100%	17 of 17 graduates passed on 1 st attempt within 6 months of grad	Yes
2022	100%	12 of 12 graduates passed on 1 st attempt within 6 months of grad	Yes
5 Year average 2018-2022	100% 74 passed/74 takers	74/74 = 100% Raw data calculation	Benchmark Met

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DSC Program and National Statistics ARRT Exam:

Grad Year	# Taking Exam	# Passing on 1 st Attempt	Program Percent Passing ARRT	Program Ave ARRT Score	GA ARRT Ave Score	Ga ARRT Pass Rate	National Ave ARRT Score	National Ave Passing Rate
2014	13	13	100%	86%	84.5%	87.1%	84%	89%
2015	14	14	100%	85%	84.5%	91.3%	84%	88%
2016	15	14	93.33%	84%	83.4%	86%	83%	87%
2017	15	14	93.33%	81%	84.2%	91.7%	83.6%	89.3%
2018	15	15	100%	88%	82.6%	86%	83.6%	89.4%
2019	14	14	100%	83.4%	84%	86%	89%	83.4%
2020	16	16	100%	86.2%	82.3%	81.3%	83.3%	88.2%
2021	17	17	100%	86.4%	83.1%	88.1%	82.3%	83.8%
2022	12	12	100%	87.9%	84%	87.6%	83.2%	84.2%
Total	74 2018-2022	74	74/74 = 100% Raw data calculation	84.28% 5 Year Ave	83.74% 5 Year Ave	88.2% 5 ear Ave	83.8% 5 Year Ave	87.28% 5 Year Ave

DSC Program (Prog) ARRT Category and National (Nat) Category Averages: Prog/Nat

Category →	1 Patient Care 33 Qs	2 Rad Physics/Bio 22 Qs	3 Rad Protection 31 Qs	4 Image Acq Tech Eval 21 Qs	5 Equip Op/ QA 29 Qs	6 Head/Spine Pelvis Proc 18 Qs	7 Thorax/ Abd Proc 21 Qs	8 Extremity Proc 25 Qs
Year ↓	Pro/Nat	Pro/Nat	Pro/Nat	Pro/Nat	Pro/Nat	Pro/Nat	Pro/Nat	Pro/Nat
2017	8.1/8.4	8.3/8.2	8.1/8.2	7.9/8.2	8.1/8.1	8.7/8.9	7.9/8.4	8.3/8.7
2018	9.0/8.6	9.1/8.3	9.0/8.5	8.7/8.2	8.4/8.0	8.4/8.1	8.3/8.1	9.0/8.8
2019	8.7/8.4	8.4/8.2	8.5/8.2	8.2/8.1	8.3/8.1	8.7/8.5	8.7/8.4	8.7/8.6
2020	8.4/8.4	9.0/8.4	8.7/8.3	8.3/8.3	8.6/8.2	8.4/8.4	8.6/8.3	8.8/8.5
2021	8.5/8.4	8.7/8.2	8.9/8.1	8.6/8.2	8.2/8.1	9.0/8.3	8.7/8.2	8.7/8.3
2022	8.8/8.4	8.9/8.4	9.1/8.4	8.3/8.2	8.6/8.1	9.1/8.5	9.0/8.5	8.9/8.6
Five year Prog Ave 2018-2022	8.64	8.82	8.84	8.42	8.42	8.72	8.66	8.2

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4. Fourth Indicator of Program Effectiveness: **Five-year** average job placement rate of not less 75% within 12 months of graduation.

Graduation Year	Percent Job Placement	Number of Students
2014	92%	12 of 13 graduates employed w/in 12 months of graduation; 1 not actively seeking employment
2015	100%	14 of 14 graduates employed w/in 12 months of graduation
2016	100%	15 of 15 graduates employed w/in 12 months of graduation (1/15 employed even though the student did not pass the ARRT exam on the 1 st attempt)
2017	100%	15 of 15 graduates employed w/in 12 months of graduation
2018	100%	15 of 15 graduates employed w/in 12 months of graduation
2019	100%	14 of 14 graduates employed w/in 12 months of graduation
2020	100%	16 of 16 graduates employed w/in 12 months of graduation
2021	100%	17 of 17 graduates employed w/in 12 months of graduation
2022	100%	12 of 12 graduates employed w/in 12 months of graduation
5 Year average 2018-2022	100%	Benchmark Met: 75% Five year average job placement rate within 12 months of graduation

*Note: Not actively seeking employment (as defined by the JRCERT Standard Five: Obj. 5.2) is described as:

- 1) Graduate fails to communicate with program officials regarding employment status after multiple attempts OR
- 2) Graduate is unwilling to seek employment that requires relocation OR
- 3) Graduate is unwilling to accept employment due to salary or hours OR
- 4) Graduate is on active military duty OR
- 5) Graduate is continuing education.

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5. Fifth Indicator of Program Effectiveness: **Three-year** average rate for graduate surveys of at least 75% one-year post graduation.

Graduation Year	Graduate Evaluation Ave	Benchmark: 75% or greater evaluation score
2016	98%	Yes
2017	96.32%	Yes
2018	95.51%	Yes
2019	96.32%	Yes
2020	100%	Yes
2021	97%	Yes
2022	98%	Yes
3 Year average 2020-2022	98.33%	Benchmark Met

6. Sixth Indicator of Program Effectiveness: **Three-year** average rate for employer surveys of at least 75% one-year post graduation.

Graduation Year	Employer Evaluation Average	Benchmark: 75% or greater evaluation score
2016	97%	Yes
2017	95%	Yes
2018	96%	Yes
2019	96%	Yes
2020	100%	Yes
2021	100%	Yes
2022	100%	Yes
3 Year Average 2020-2022	100%	Benchmark Met

Development and Revision of Mission, Goals, and Outcomes:

The program director and faculty will develop and review annually the program's mission statement, goals, outcomes, and assessment procedures. Each of the aforementioned will be reviewed and revised by the Program Advisory Committee.

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For more information regarding program effectiveness data visit the JRCERT website at
www.jrcert.org