

# NWF State College, Associate Degree Radiography Program

## PROGRAM EFFECTIVENESS DATA

### **Radiography Program Mission**

The mission of the radiography program is to prepare students to become competent, registry eligible, entry-level radiographers who are able to function efficiently within the healthcare community. Radiography Program Goals and Student Learning Outcomes.

The Radiography Program has four major program goals and four program outcomes. Each program goal identifies specific student learning outcomes. The goals and the outcomes are:

### **Goal 1: Students will be clinically competent.**

#### *Student Learning Outcomes*

1. Students will apply positioning skills.
2. Students will select technical factors.
3. Students will utilize radiation protection

### **Goal 2: Students will demonstrate communication skills.**

#### *Student Learning Outcomes*

4. Students will demonstrate written and oral communication skills.

### **Goal 3: Students will demonstrate critical thinking skills.**

#### *Student Learning Outcomes*

5. Students will adapt standard procedures for non-routine patients.
6. Students will critique images to determine diagnostic quality.

### **Goal 4: Students will model professionalism**

#### *Student Learning Outcomes*

7. Students will demonstrate work ethics
8. Students will summarize the value of life-long learning.

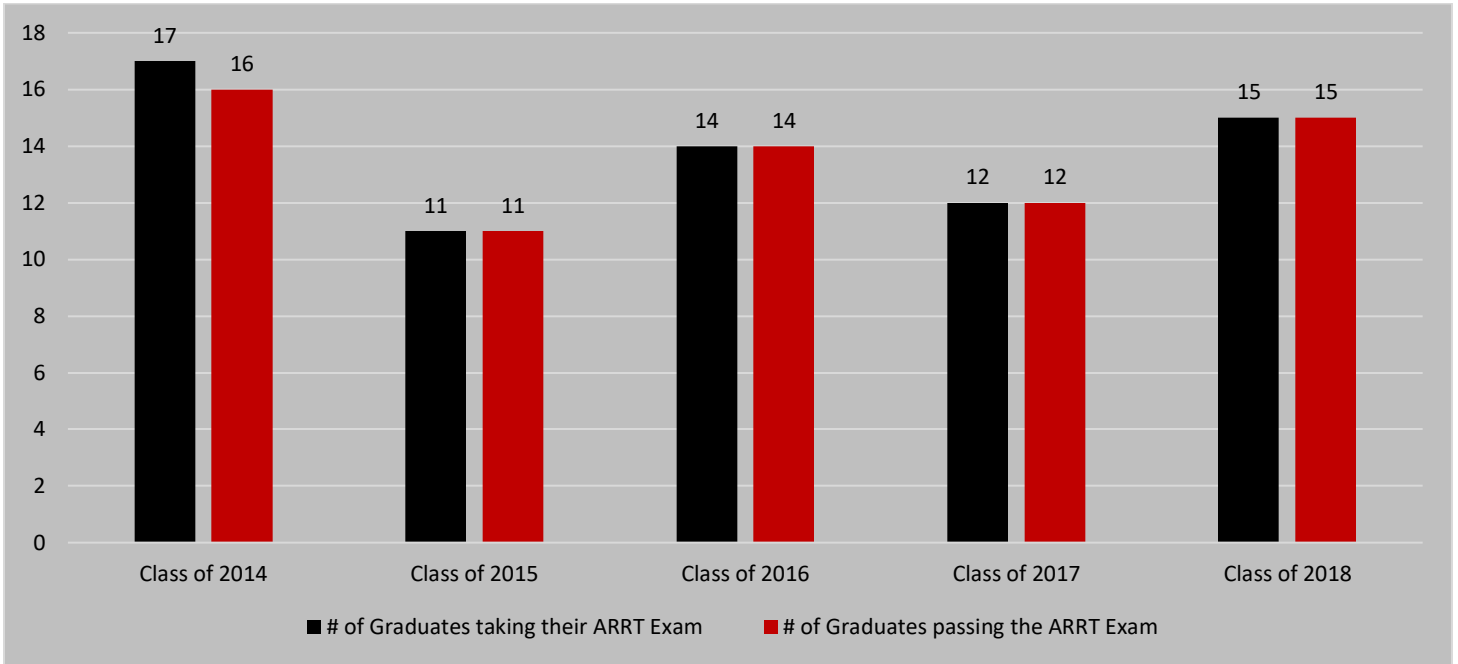
**Radiography Program Outcomes:** *The Program will continuously monitor the ARRT exam pass rates, job placement rates, completion rates, and program satisfaction.*

*Please see Radiography Student Handbook for additional details.*

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### CREDENTIALING EXAMINATION PASS RATE:



CLASS	# OF GRADUATES TAKING THE ARRT EXAM	# OF GRADUATES PASSING THE ARRT EXAM ON THE 1ST ATTEMPT	% OF GRADUATES PASSING THE ARRT EXAM ON THE 1ST ATTEMPT
Class of 2014	17	16	94%
Class of 2015	11	11	100%
Class of 2016	14	14	100%
Class of 2017	12	12	100%
Class of 2018	15	15	100%

### 5-YEAR AVERAGE 98%

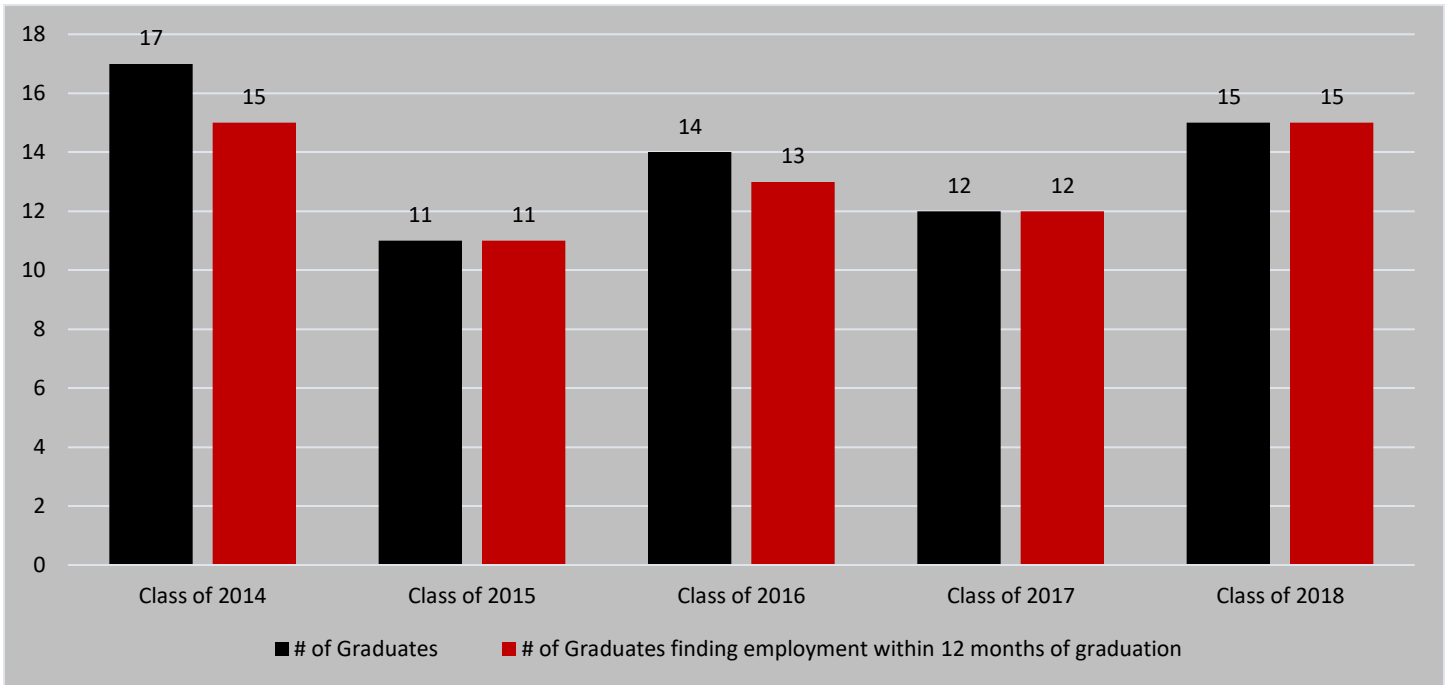
The **Credentialing Examination Pass Rate** is defined as the number of students who pass, on the first attempt, the American Registry of Radiologic Technologists (ARRT) certification examination compared with the number of graduates who take the examination within six months of graduation.

**DATA ANALYSIS:** The National Comparison Report generated by the ARRT for first attempt registry candidates was 89% nationwide, while NWFSC reported a 98% pass rate within the 2014-2018 reporting period. **The Programs' pass rate was higher than the national average by a substantial margin, in addition to surpassing the Program benchmarks evaluated for annual improvement.**

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### JOB PLACEMENT RATE 12 MONTHS AFTER GRADUATION



CLASS	# OF GRADUATES	# OF GRADUATES FINDING EMPLOYMENT WITHIN 12 MONTHS OF GRADUATION	<u>% JOB PLACEMENT</u>
Class of 2014	17	15	88%
Class of 2015	11	11	100%
Class of 2016	14	13	93%
Class of 2017	12	12	100%
Class of 2018	15	15	100%

### 5-YEAR AVERAGE: 96%

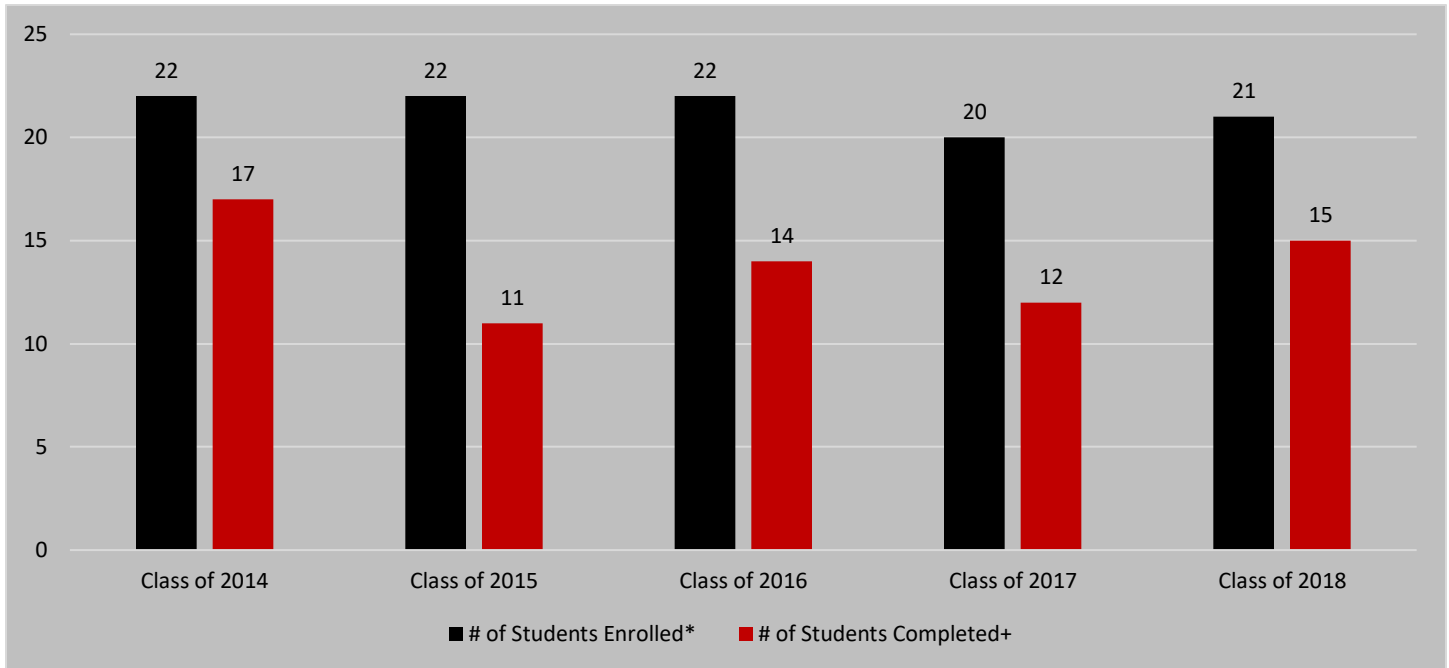
**Job Placement rate** is defined as the number of graduates employed in the radiologic sciences compared to the number of graduates actively seeking employment in the radiologic sciences. The JRCERT has defined not actively seeking employment as: 1) graduate fails to communicate with program officials regarding employment status after multiple attempts, 2) graduate is unwilling to seek employment that requires relocation, 3) graduate is unwilling to accept employment due to salary or hours, 4) graduate is on active duty, and/or 5) graduate is continuing education.

**DATA ANALYSIS:** The Program benchmark for annual improvement for job placement within 1 year is 75%. The Program surpasses this benchmark due to high involvement with our communities of interest, including but not limited to an active Advisory Committee, support from the institution, as well as hiring adjunct faculty who are active members of the career field.

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### ANNUAL COMPLETION RATE



\*Data reflects number of students enrolled at FALL I ADD/DROP DATE.

+Data reflects number of student who completed and graduated the Program.

CLASS	# OF STUDENTS ENROLLED AT FALL I ADD/DROP	# OF STUDENTS GRADUATING	<u>% COMPLETION</u>
Class of 2014	22	17	77%
Class of 2015	22	11	50%
Class of 2016	22	14	64%
Class of 2017	20	12	60%
Class of 2018	21	15	71%

**NOTE:** Students may be readmitted into the next cohort as long as the student is in good standing.

**5-YEAR AVERAGE: 64.4%**

**Program Completion Rate** is defined as the number of students who complete the program within 150% of the stated program length. The program must establish a benchmark for its program completion rate. This data is updated annually and is submitted as part of the Radiography Program's application and then annual report to the Joint Review Committee on Education in Radiologic Technology (JRCERT) 20 N. Wacker Drive, Suite 2850, Chicago Illinois 60606-3182, available at [www.jrcert.org](http://www.jrcert.org), Phone: (312) 704-5300, Fax: (312) 704-5304.

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**DATA ANALYSIS:** The Program benchmark for completion rate is 60%. However, the completion rate average for 2014-2018 is HIGHER than the benchmark at 65%. Many contributing factors to the high attrition rate have been identified:

1. **ACADEMIC:** Student received a failing grade in coursework which lead to dismissal from the program.
2. **MILITARY:** Student or student family received military orders to relocate while in the program and lead to voluntary student-driven withdrawal from the program.
3. **PERSONAL:** Student elected to withdraw from program due to personal reasons, including other academic and employment opportunities, a lack of interest in the Radiography field, or other family requirements.
4. **OTHER:** Student was dismissed from program due to Code of Conduct Violations, behavioral issues and/or in the event of excessive critical incidents.

**RECTIFYING HIGH ATTRITION RATE:** In order to mitigate the negative impact to the student, college and communities of interest regarding the increasing attrition rate, the Program introduced the following:

1. **Free Radiographic Tutors (2014-Present):** Tutors are primarily 2<sup>nd</sup> year or graduate students who assist all radiography students with their didactic studies and are available typically 10 hours a week.
2. **RTE 1000 Intro to Rad Tech in the Summer I semester (2016-present):** This course was moved to the Summer I semester to allow for observation hours, which enabled students to determine if radiography was indeed their future career. This timeframe allowed the Program to select any alternate students at the start of the Fall I semester if any original matriculated students elected to withdraw during the Summer I semester due to a lack of interest in radiography following the observation hours. A direct study is available for RTE 1000 for alternate students during the Fall I semester if selected.
3. **Six (6) semester Program: (2016 – present):** The Program reformatted the curriculum in order to allow students to apply and complete all coursework associated with gaining an associate of science in radiography, including all general education requirements. In addition, students may qualify for financial aid due to the full-time curriculum now established with general education requirements built directly alongside the program of study.
4. **Added several new adjunct faculty members (2016-present):** The Program added two additional adjunct faculty members (clinical instructors) who oversee day to day student clinical skills and assessments, in addition to assisting in the lab demonstrations and other programmatic goals. All Program adjunct faculty members are employees at the main facility at which they are assigned in order to uphold the educational goals of the students and program.